

001

**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**BUREAU OF LAND MANAGEMENT**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK

**DRILL**☒**DEEPEN**☐**PLUG BACK**☐

B. TYPE OF WELL

OIL

☐

GAS

☒

SINGLE

☐

MULTIPLE ZONE

☒

WELL

WELL

OTHER

ZONE

2. NAME OF OPERATOR

**The Houston Exploration Company**

3. ADDRESS OF OPERATORS

**1100 Louisiana Suite 2000 Houston, TX 77002**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirement)

at surface **1858' FNL & 703' FWL SWNW 638819X**

At proposed prod. Zone

**same as above**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

**79.9 miles south of Vernal, UT**

15. DISTANCE FROM PROPOSED LOC. TO NEAREST PROP. OR LEASE LINE, FT. (Also to nearest drig. Unit line, if any)

**703'**

16. NO. OF ACRES IN LEASE

**480**

18. DISTANCE FROM PROPOSED LOCATION \* TO NEAREST WELL, DRILLING COMPLETED.

OR APPLIED FOR, ON THIS LEASE, FT.

**900**

19. PROPOSED DEPTH

**8,013**

20. ROTARY OR CABLE TOOLS

**Rotary**

21. ELEVATION (SHOW WHETHER DF. RT, GR, etc.)

**5491.8 GR**

9. WELL NO.

**Rock House 5-30-10-23**

10. FIELD OR LEASE NAME

**Natural Buttes**

11. Sec., T., R., M., OR BLK

AND SURVEY OR AREA

**Sec. 30, T10S, R23E**

12. COUNTY OR PARISH

**Uintah**

13. STATE

**Utah**

**PROPOSED CASING AND CEMENT PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<b>11"</b>	<b>8 5/8"</b>	<b>36#</b>	<b>2000'</b>	<b>779 sks</b>
<b>7 7/8"</b>	<b>4 1/2"</b>	<b>11.6#</b>	<b>T.D.</b>	<b>600 sks</b>

**The operator requests permission to drill the subject well. Please find the attached 10 point plan and 13 point plan.**

**William A Ryan**  
**290 S 800 E**  
**Vernal, UT 84078**  
**435-789-0968**

RECEIVED

APR 12 2005

DIV. OF OIL, GAS &amp; MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposed in to deepen or plug back, give data on proposed productive zone and proposed new productive zone. If proposal is to drill or deepen directional, give pertinent data on subsurface location and measure and true vertical depths. Give blowout preventer program, if any.

24

SIGNATURE

**William A. Ryan**

TITLE

**Agent**

DATE

**April 4 2005**

(This space for Federal or State Office use)

PERMIT NO.

**43-047-34547**

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

**BRADLEY G. HILL**  
**ENVIRONMENTAL SCIENTIST III**

DATE

**04-13-05**

**Federal Approval of this**  
**Action is Necessary**

\*See Instructions on Reverse Side

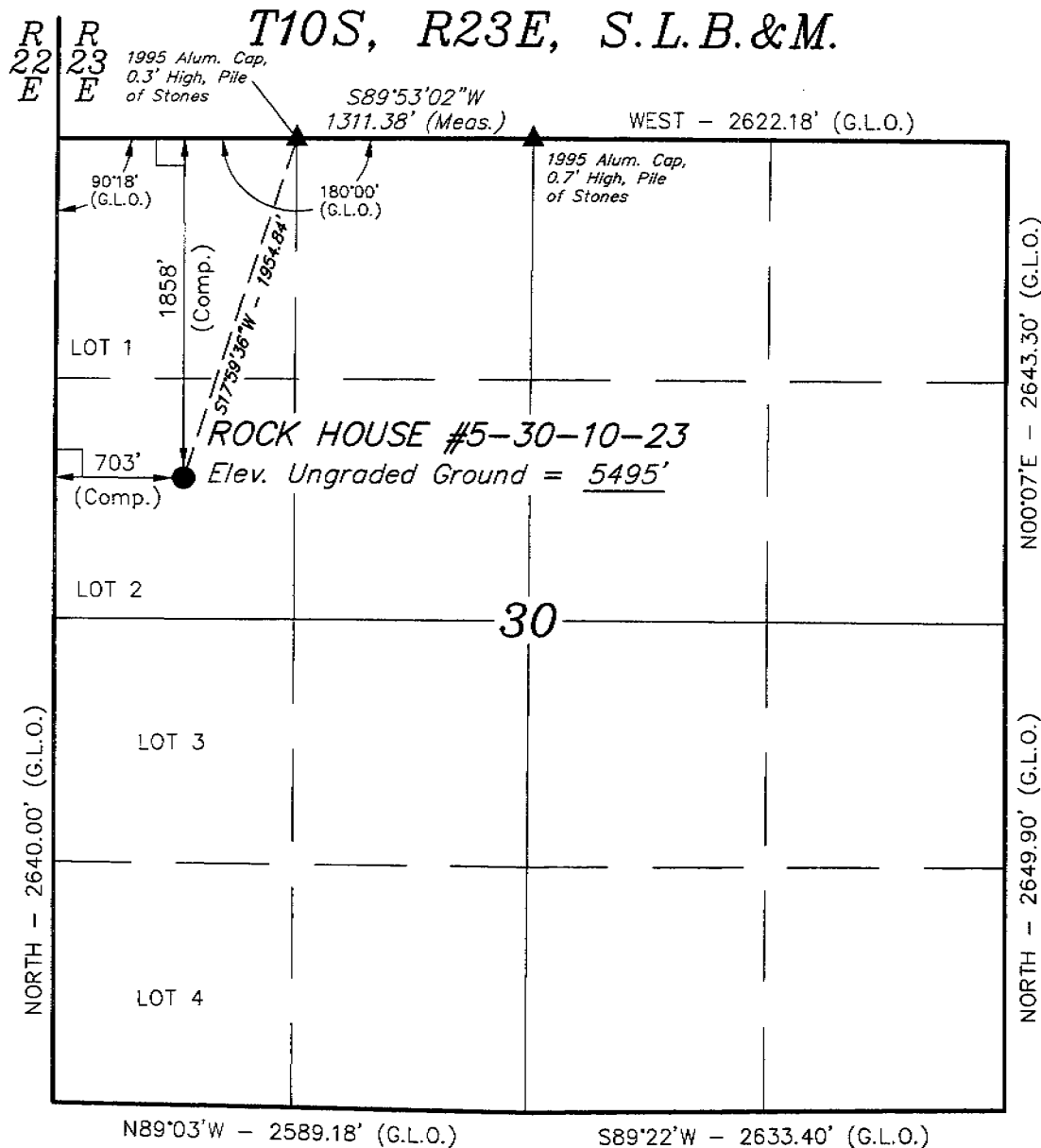
Title 18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**CONFIDENTIAL**

The Houston Exploration Company  
1100 Louisiana, Suite 2000  
Houston, TX 77002  
713-830-6800

Please hold all information associated with this Application for Permit to Drill and all associated logs confidential for a minimum of six (6) months.

RECEIVED  
APR 12 2005  
DIV. OF OIL, GAS & MINING

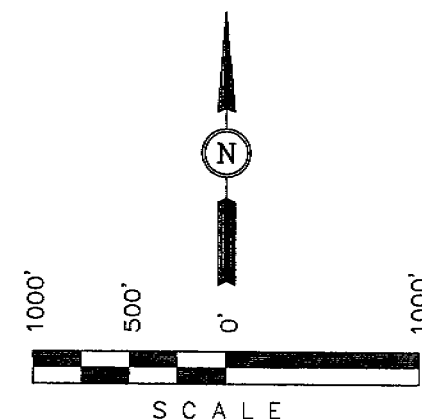


## THE HOUSTON EXPLORATION COMPANY

Well location, ROCK HOUSE #5-30-10-23, located as shown in the SW 1/4 NW 1/4 (LOT 2) of Section 30, T10S, R23E, S.L.B.&M. Uintah County, Utah.

### BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*John A. Kay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

**BASIS OF BEARINGS**  
 BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(AUTONOMOUS NAD 83)  
 LATITUDE = 39°55'19.25" (39.922014)  
 LONGITUDE = 109°22'35.17" (109.376436)  
 (AUTONOMOUS NAD 27)  
 LATITUDE = 39°55'19.37" (39.922047)  
 LONGITUDE = 109°22'32.73" (109.375758)

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 02-18-05	DATE DRAWN: 02-28-05
PARTY B.B. J.M. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE THE HOUSTON EXPLORATION COMPANY	

**SELF-CERTIFICATION STATEMENT**

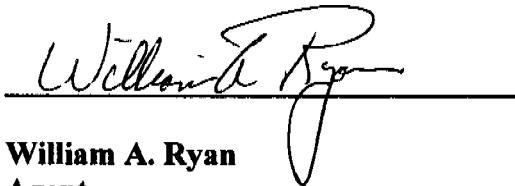
**The following self-certification statement is provided per Federal requirements dated June 15, 1988.**

**Please be advised that The Houston Exploration Company are considered to be the operator of the following well.**

**Rock House 5-30-10-23  
Section 30, T.10S, R.23E.  
SW 1/4, NW 1/4  
Lease UTU-76281  
Uintah County, Utah**

**The Houston Exploration Company is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.**

**Bond UTU-000062 provides state-wide bond coverage on all Federal lands.**



---

**William A. Ryan  
Agent  
Rocky Mountain Consulting  
350 S. 800 E.  
Vernal UT 84078  
435-789-0968 Office  
435-828-0968 Cell  
435-789-0970 Fax  
rmcwar@hotmail.com**



**Ten Point Plan****The Houston Exploration Company**

Rock House #5-30-10-23

Surface Location SW  $\frac{1}{4}$  NW  $\frac{1}{4}$ , Section 30, T. 10S., R. 23E.**1. Surface Formation**

Green River

**2. Estimated Formation Tops and Datum:**

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Green River	Surface	+5,492' G.L.
Uteland Butte Limestone	3,689	+1,803'
Wasatch	3,771	+1,721'
Mesaverda	5,671	-179'
Buck Tounge	7,971	-2,479'
Castlegate	8,051	-2,559'
TD	8,013	-2,521'

A 11" hole will be drilled to 2,000' +/- . The hole depth will depend on the depth that the Birds Nest Zone is encountered. The hole will be drilled 400' beyond the top of the Birds Nest.

**3. Producing Formation Depth:**

Formation objective includes the Green River, Wasatch, Mesaverde and its sub-members.

Off Set Well information

Off set well: Permitted/Drilled:

Producing Wells:

Abandon Wells:

#### 4. Proposed Casing:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight/FT</u>	<u>Grade</u>	<u>Coupling &amp; Tread</u>	<u>Casing Depth</u>	<u>New/Used</u>
11	8 5/8	36#	J-55	STC	2000	NEW
7 7/8	4 1/2	11.6#	N-80	LTC	T.D.	NEW

#### Cement Program:

The Surface Casing will be cemented to the Surface as follows:

	<u>Casing Size</u>	<u>Cement Type</u>	<u>Cement Amounts</u>	<u>Cement Yield</u>	<u>Cement Weight</u>
Lead:	8 5/8	Primium Lite II .05#/sk Static Free .25#/sk Cello Flake 5#/sk KOL Seal .002 gps FP-6L 10% Bentonite .5% Sodium Metasilicate 3% Potassium Chloride	250 sks. +/-	3.38ft <sup>3</sup> /sk	11.0 ppg
Tail:	8 5/8	Class "G" 2% Calcium Chloride .25#/sk Cello Flake	329 sks. +/-	1.2ft <sup>3</sup> /sk	15.6 ppg
Top Job:	8 5/8	4% Calcium Chloride .25#/sk Cello Flake	200 sks. +/-	1.10ft <sup>3</sup> /sk	15.6 ppg

Production casing will be cemented to 2,500' or higher as follows:

	<u>Casing Size</u>	<u>Cement Type</u>	<u>Cement Amounts</u>	<u>Cement Yield</u>	<u>Cement Weight</u>
Lead:	4 1/2	Primium Lite II .25#/sk Cello Flake .05#/sk Static Free 5#/sk Kol Seal 3% Potassium Chloride .055 gps FP-6L 10% Bentonite .5 Sodium Metasilicate	200 sks +/-	3.3ft <sup>3</sup> /sk	11.0 ppg
Tail:	4 1/2	Class "G" .05% Static Free 2 Sodium Chloride .1% R-3 2% Bentonite	400 sks +/-	1.56ft <sup>3</sup> /sk	14.3 ppg

##### **5. BOP and Pressure Containment Data:**

The anticipated bottom hole pressure will be less than 3000 psi.

A 3000-psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 8 5/8" surface casing. The BOP system including the casing will be pressure tested to minimum standards set forth in "On Shore Order #2". The BOP will be mechanically checked daily during the drilling operation.

## 6. Mud Program:

<u>Interval</u>	<u>Mud weight lbs./gal.</u>	<u>Viscosity Sec./OT.</u>	<u>Fluid Loss Ml/30 Mins.</u>	<u>Mud Type</u>
0-2000	Air/Clear Water	-----	No Control	Water/Gel
2000-T.D.	8.4-12.0	30	8-10	Water/Gel

## 7. Auxiliary Equipment

Upper Kelly cock, full opening stabbing valve, 2 ½" choke manifold and pit level indicator.

## 8. Testing, Coring, Sampling and Logging:

- a) Test: None are anticipated.
- b) Coring: There is the possibility of sidewall coring.
- c) Sampling: Every 10' from 2000' to T.D.
- d) Logging: 

Type	Interval
DLL/SFL W/GR and SP	T.D. to Surf. Csg
FDC/CNL W/GR and CAL	T.D. to Surf. Csg

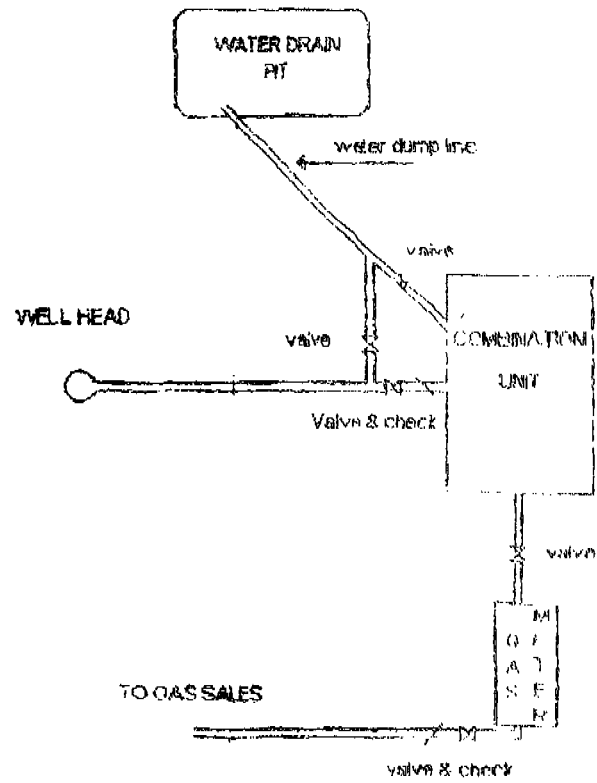
## 9. Abnormalities (including sour gas):

No abnormal pressures, temperatures or other hazards are anticipated. Oil and gas shows are anticipated in the Wasatch Formation. Other wells drilled in the area have not encountered over pressured zones or H<sub>2</sub>S.

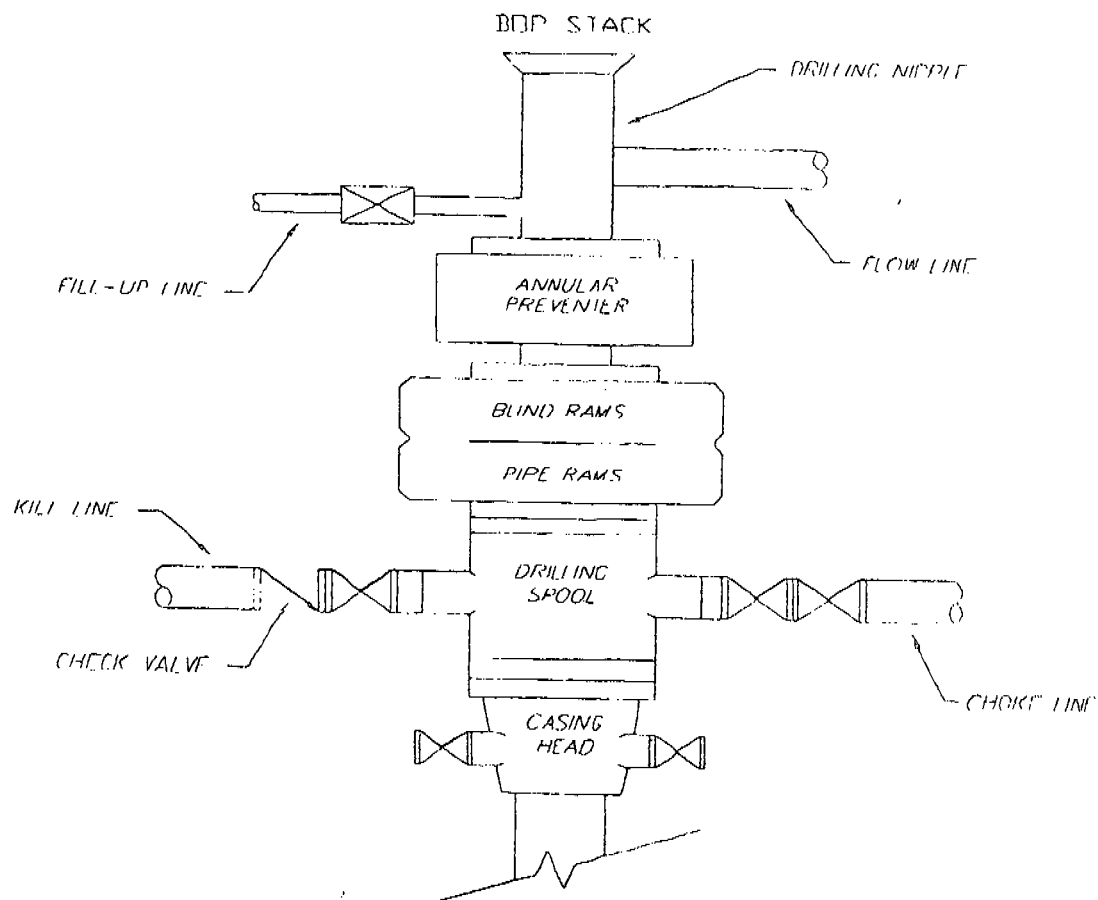
## 10. Drilling Schedule:

The anticipated starting date is 03/1/05. Duration of operations is expected to be 30 days.

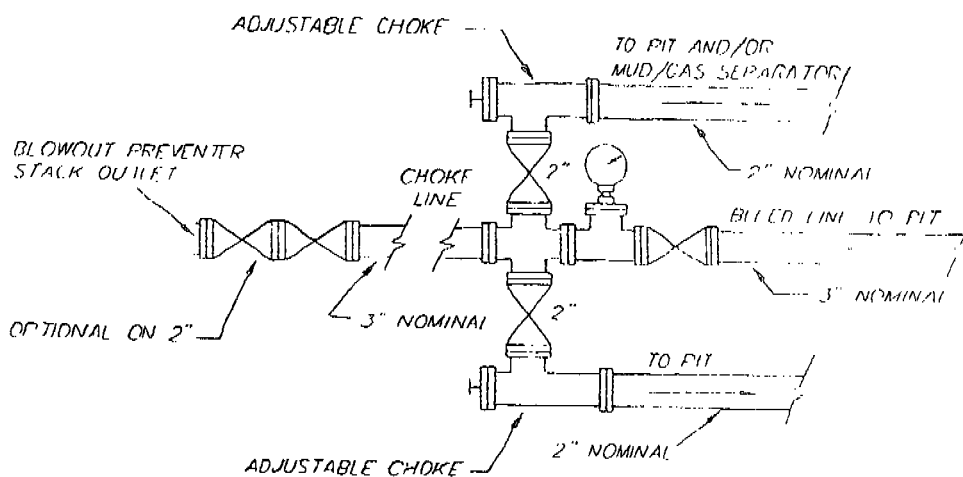
TYPICAL  
GAS WELL



TYPICAL 3.000 p.s.i.  
BLOWOUT PREVENTER SCHEMATIC



TYPICAL 3,000 p.s.i.  
CHOKE MANIFOLD SCHEMATIC



**THE HOUSTON EXPLORATION COMPANY**

**13 POINT SURFACE USE PLAN**

**FOR WELL**

**ROCKHOUSE 5-30-10-23**

**LOCATED IN SW  $\frac{1}{4}$  NW  $\frac{1}{4}$**

**SECTION 30, T. 10S, R23E, S.L.B.&M.**

**UINTAH COUNTY, UTAH**

**LEASE NUMBER: UTU-76281**

**SURFACE OWNERSHIP: FEDERAL**

1. Existing Roads:

To reach The Houston Exploration Co well Rock House #5-30-10-23 in Section 30, T10S, R 23E, starting in Vernal, Utah.

Proceed in a easterly, then southerly direction from Vernal, Utah along US Highway 40 approximately 3.9 miles to the junction of State Highway 45; exit right and proceed in a southerly, direction approximately 41.5 miles on paved State Highway 45 to the junction of this road and gravel State Highway 45 to southeast; turn left and proceed in an southeasterly direction, approximately 3.8 miles to the junction of this road and State Highway 207 to the southwest; turn right and proceed in a southeasterly direction approximately 8.4 miles to the junction of this road and an existing road to the southwest; proceed in a southwesterly direction approximately 7.8 miles to the junction of this road and an existing road to the northwest; turn right and proceed in a northwesterly, direction approximately 0.5 miles to the junction of this road and an existing road to the west; turn left and proceed in a westerly, then northerly direction approximately 2.7 miles to the junction of this road and an existing road to the northwest; turn left and proceed in a northwesterly, then northerly direction approximately 5.4 miles to the junction of this road and an existing road to the northwest; turn left and proceed in a

northwesterly, then southwesterly direction approximately 1.4 miles to the junction of this road and an existing road to the northwest turn right and proceed in a northwesterly direction approximately 0.4 miles to the junction of this road and an existing road to the northeast; turn right and proceed in a northeasterly, then northerly direction approximately 2.0 miles to the beginning of the proposed access for the 4D-30 to the northeast; follow road flags in a northeasterly, then northerly direction approximately 1.8 miles to the beginning of the proposed access to the southwest, follow road flags in a southwesterly, then northwesterly direction approximately 0.3 miles to the proposed location.

Total distance from Vernal, Utah to the proposed well location is approximately **79.9 miles**.

All existing roads to the proposed location are State of Utah, BLM maintained or County Class D roads. Please see the attached map for additional details.

2. Planned access road

The proposed access road will be approximately 784'+/- of new construction on lease and approximately 800' of new construction off lease. The road will be graded once per year minimum and maintained.

A) Approximate length      1584 ft



<b>B) Right of Way width</b>	<b>30 ft</b>
<b>C) Running surface</b>	<b>18 ft</b>
<b>D) Surface material</b>	<b>Native soil</b>
<b>E) Maximum grade</b>	<b>5%</b>
<b>F) Fence crossing</b>	<b>None</b>
<b>G) Culvert</b>	<b>None</b>
<b>H) Turnouts</b>	<b>None</b>
<b>I) Major cuts and fills</b>	<b>None</b>
<b>J) Road Flagged</b>	<b>Yes</b>
<b>K) Access road surface ownership</b>	<b>Federal</b>
<b>L) All new construction on lease</b>	<b>No</b>
<b>M) Pipe line crossing</b>	<b>None</b>

Please see the attached location plat for additional details.

**An off lease right of way will be required for approximately 800'.**

All surface disturbances for the road and location will not be within the lease boundary.

### 3. Location of existing wells

The following wells are located within a one-mile radius of the location site.

<b>A) Producing well</b>	
<b>Rock House 2D-36</b>	
<b>B) Water well</b>	<b>None</b>
<b>C) Abandoned well</b>	
<b>NBU #59-24B</b>	
<b>D) Temp. abandoned well</b>	<b>None</b>
<b>E) Disposal well</b>	<b>None</b>
<b>Drilling /Permitted well</b>	<b>None</b>
<b>G) Shut in wells</b>	<b>None</b>
<b>H) Injection well</b>	<b>None</b>
<b>I) Monitoring or observation well</b>	<b>None</b>

Please see the attached map for additional details.

### 4. Location of tank batteries, production facilities and production gathering service lines.

All production facilities are to be contained within the proposed location site. Please see the attached plat plan for a typical gas well separator installation and well site piping.

All permanent (on site for more than six months or longer) structures constructed or installed will be painted a Carlsbad Canyon color. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is Carlsbad Canyon.

All tanks will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank in the battery. The integrity of the dike will be maintained.

The operator will adhere to all site security guidelines and regulation identified in 43 cfr 3126.7.

All off lease storage, off lease measurement, commingling on lease or off lease, of production, will have prior written approval from the authorized officer.

If the well is capable of economic production a surface gas line will be required.

**Approximately 1,367' +/- of 3" gathering line would be constructed on Federal Lands.**

**The line would tie into the proposed pipeline in Sec. 30, T10S, R23E. The line will be strung and boomed to the north of the access road and to the east of the location.**

**An off lease right of way will be required for approximately 600'.**

Please see the attached location diagrams for pipeline location. There will be no additional surface disturbances required for the installation of a gathering line.

The gas meter run will be located within 500' of the wellhead. The gas line will be buried or anchored down from the wellhead to the meter. Meter runs will be housed and/or fenced.

The gas meter will be calibrated and the tank strapped in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter.

The authorized officer will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration report will be submitted to the BLM's Vernal District office and State of Utah, Division of Oil, Gas, and Mining. All measurement facilities will conform to API (American Petroleum Institute) and AGA (American Gas Association) standards for gas and liquid hydrocarbon measurement.

5. Location and type of water supply

Water for drilling and cementing will come from the White River at Saddle Tree Draw, Permit # T-75514.

6. Source of construction materials

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. Additional road gravel or pit lining material will be obtained from private resources.

7. Methods for handling waste disposal

A) Pit construction and liners:

The reserve pit will be approximately 12 ft. deep and most of the depth shall be below the surface of the existing ground. Please see the attached plat for details.

The reserve pit will be lined.

The reserve pit will be used to store water for drilling. A semi-closed system will be used to drill the well. All fresh water for drilling will come from a frac tank placed on location and from the rig tank. The pit will be used to hold non-flammable materials such as cuttings, salt, drilling fluids, chemicals, produced fluids, etc.

**B) Produced fluids:**

Produced water will be confined to the reserve pit, or if deemed necessary, a storage tank for a period not to exceed 90 days after initial production. During the 90-day period an application for approval for permanent disposal method and location will be submitted to the authorized officer.

**C) Garbage:**

A trash cage fabricated from expanded metal will be used to hold trash on location and will be removed to an authorized landfill location.

**D) Sewage:**

A portable chemical toilet will be supplied for human waste.

**E) Site clean-up:**

After the rig is moved off the location the well site area will be cleaned and all refuse removed.

**8. Ancillary facilities**

There are no ancillary facilities planned at this time and none are foreseen for the future.

**9. Well-site layout**

Location dimensions are as follows:

- A) Pad length                      345 ft.**
- B) Pad width                        245 ft.**
- C) Pit depth                         12 ft.**

- D) Pit length                        150 ft.**
- E) Pit width                         75 ft.**
- F) Max cut                          37.7 ft.**
- G) Max fill                         23.0 ft.**
- H) Total cut yds.   27,510 cu yds.**
- I) Pit location                      north end**
- J) Top soil location                northwest end**
- K) Access road location           south end**
- L) Flare Pit                         corner C**

Please see the attached location diagram for additional details.

All pits will be fenced according to the following minimum standards:

- A)** Thirty nine inch net wire shall be used with at least one strand of wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- B)** The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C)** Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- D)** Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 ft.

- E) All wire shall be stretched by using a stretching device before it is attached to the corner posts.

10. Plans for restoration of the surface

Prior to construction of the location, the top 6 inches of soil material will be stripped off the location and the pit area. The topsoil removed and piled will amount to approximately **2,440** cubic yards of material. Topsoil will be stockpiled in one distinct pile. Placement of the topsoil is noted on the attached location plat. The topsoil pile from the location will be seeded as soon as the soil is stock piled with the seed mix listed. When all drilling and completion activities have been completed and the pit back-filled the topsoil from the pit area will be spread on the pit area. The pit area will be seeded when the soil has been spread. The unused portion of the location (the area outside the dead men) will be re-contoured.

The dirt contractor will be provided with an approved copy of the surface use plan prior to construction activities.

Changes to the drainage during the construction activities shall be restored to its original line of flow or as near as possible when the pit is back-filled

All disturbed areas will be re-contoured to the approximate natural contours. Prior to back filling the pit the fences around the reserve pit will be removed.

The reserve pit will be reclaimed within 90 days of well completion. If the reserve pit has not dried sufficiently to allow back filling, an extension on the time requirement for back filling the pit will be requested. Once reclamation activities have begun, they shall be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The objective is to keep seasonal rainfall and run off from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert the run off as needed.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas will be scarified and left with a rough surface.

A) Seeding dates:

Seed will be spread when topsoil is stock piled and when reclamation work is performed.

The seed mix and quantity list will be used whether the seed is broadcast or drilled.

B) Seed Mix

**To be determined by the Authorized Officer.**

11. Surface ownership:

<b>Access road</b>	<b>Federal</b>
<b>Location</b>	<b>Federal</b>
<b>Pipe line</b>	<b>Federal</b>

**White River located 2 miles to the North.**

12. Other information:

A) Vegetation

The vegetation coverage is Slight. The majority of the existing vegetation consists of non-native species. Rabbit brush, bitter brush, and Indian Rice grass and Sagebrush are also found on the location.

B) Dwellings:

There are no dwelling or other facilities within a one-mile radius of the location.

C) Archeology:

The location has been surveyed. A copy of that survey will be forwarded to your office.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the antiquities act of June 8, 1906) are discovered, all operations, which would affect such sites, will be suspended and the discovery reported promptly to the surface management agency.

D) Water:

**The nearest water is the**

E) Chemicals:

No pesticides, herbicides or other possible hazardous chemicals will be used without prior application.

F) Notification:

- a) Location Construction  
At least forty eight (48) hours prior to construction of location and access roads.
- b) Location completion  
Prior to moving on the drilling rig.
- c) Spud notice  
At least twenty-four (24) hours prior to spudding the well.
- d) Casing string and cementing  
At least twenty-four (24) hours prior to running casing and cementing all casing strings.
- e) BOP and related equipment tests  
At least twenty-four (24) hours prior to initial pressure tests.
- f) First production notice  
Within five (5) business days after the new well begins, or production resumes after well has been off production for more than 90 days.

G) Flare pit:

The flare pit will be located in **corner C** of the reserve pit outside the pit fences and 100 feet from the bore hole on the east side of the location. All fluids will be removed from the pit within 48 hours of occurrence.

13. Lessees or Operator's representative and certification

A) Representative

William A. Ryan  
290 S 800 E  
Rocky Mountain Consulting  
Vernal, UT 84078

Office 435-789-0968  
Fax 435-789-0970  
Cellular 435-828-0968

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, onshore oil and gas orders, and any applicable notices to lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

This drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

B) Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route that I am familiar with the conditions which presently exist, that the statements made in this plan are, to the best of my knowledge and belief, true and correct, and that the work associated with the operation proposed herein will be performed by The Houston Exploration Company and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

Date 4/4/05



William A. Ryan, Agent  
Rocky Mountain Consulting

Onsite Dates: **3/28/05**

### **Statement of use of Hazardous Materials**

No chemical(s) from the EPA's consolidated list of Chemicals subject to Reporting under Title III of the Superfund Amendments and Reauthorization, Act (SARA) of 1986 will be used, produced, transported, stored, disposed, or associated with the proposed action. No extremely hazardous substances, as defined in 40 cfr 355, will be used, produced, stored, transported, disposed, or associated with the proposed action.

If you require additional information please contact:

William A Ryan  
Agent for The Houston Exploration Company  
Rocky Mountain Consulting  
290 S 800 E  
Vernal, UT 84078

435-789-0968 Office  
435-828-0968 Cell  
435-789-0970 Fax

# THE HOUSTON EXPLORATION COMPANY

ROCK HOUSE #5-30-10-23

LOCATED IN UINTAH COUNTY, UTAH

SECTION 30, T10S, R23E, S.L.B.&M.

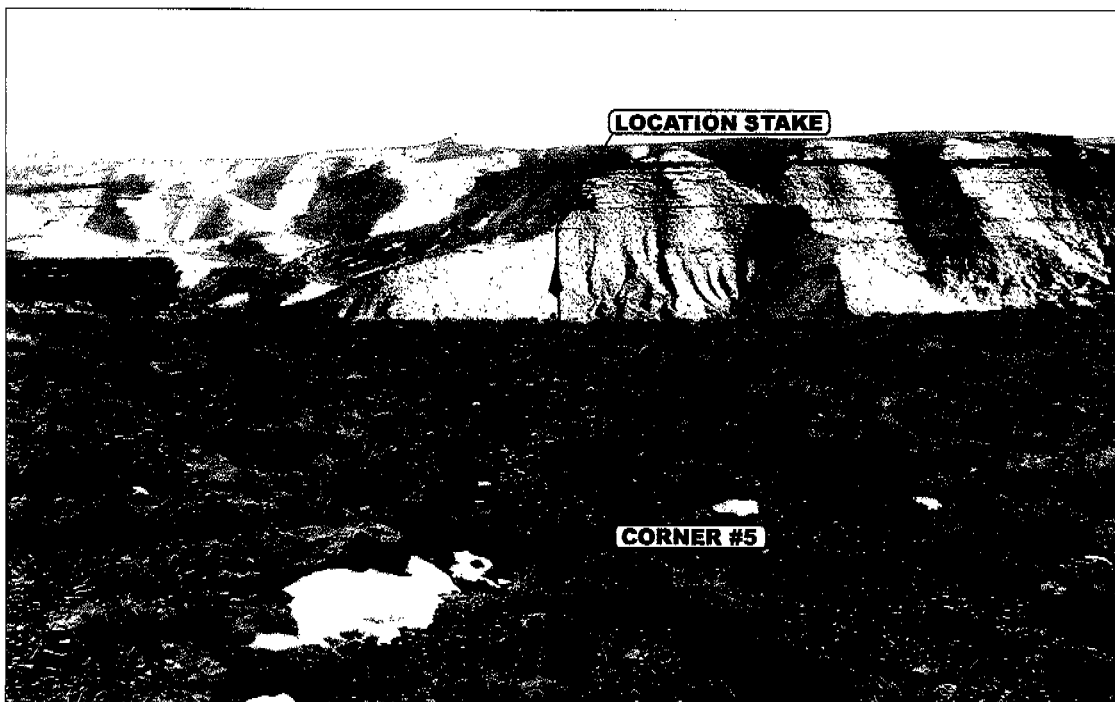


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

**E&L S** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

02 22 05  
MONTH DAY YEAR

PHOTO

TAKEN BY: B.B.

DRAWN BY: C.P.

REVISED: 00-00-00

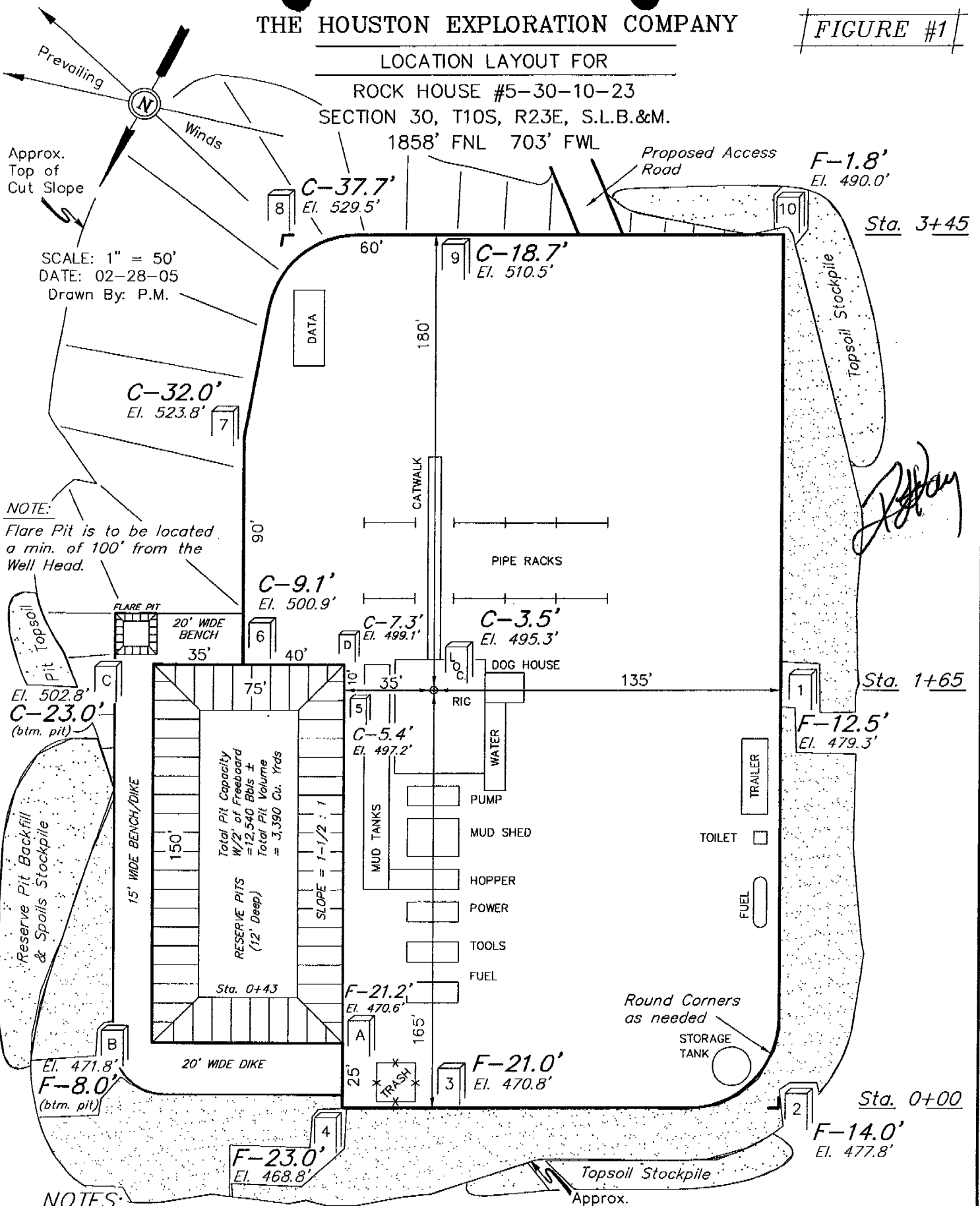


# THE HOUSTON EXPLORATION COMPANY

FIGURE #1

## LOCATION LAYOUT FOR

ROCK HOUSE #5-30-10-23  
SECTION 30, T10S, R23E, S.L.B.&M.  
1858' FNL 703' FWL



### NOTES:

Elev. Ungraded Ground At Loc. Stake = 5495.3'

FINISHED GRADE ELEV. AT LOC. STAKE = 5491.8'

Approx.  
Toe of  
Fill Slope

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

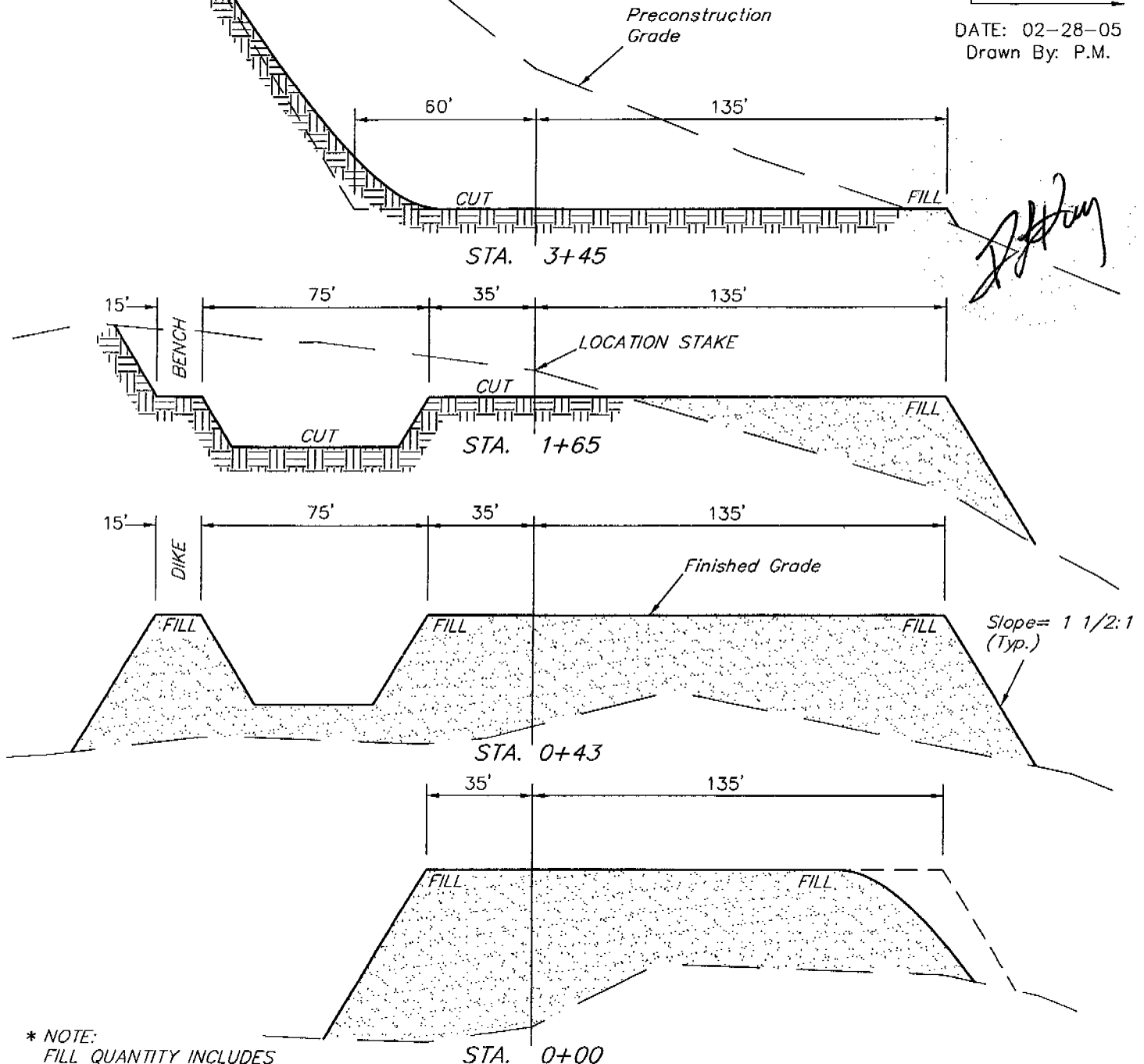
# THE HOUSTON EXPLORATION COMPANY

FIGURE #2

TYPICAL CROSS SECTIONS FOR  
ROCK HOUSE #5-30-10-23  
SECTION 30, T10S, R23E, S.L.B.&M.  
1858' FNL 703' FWL

1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 02-28-05  
Drawn By: P.M.



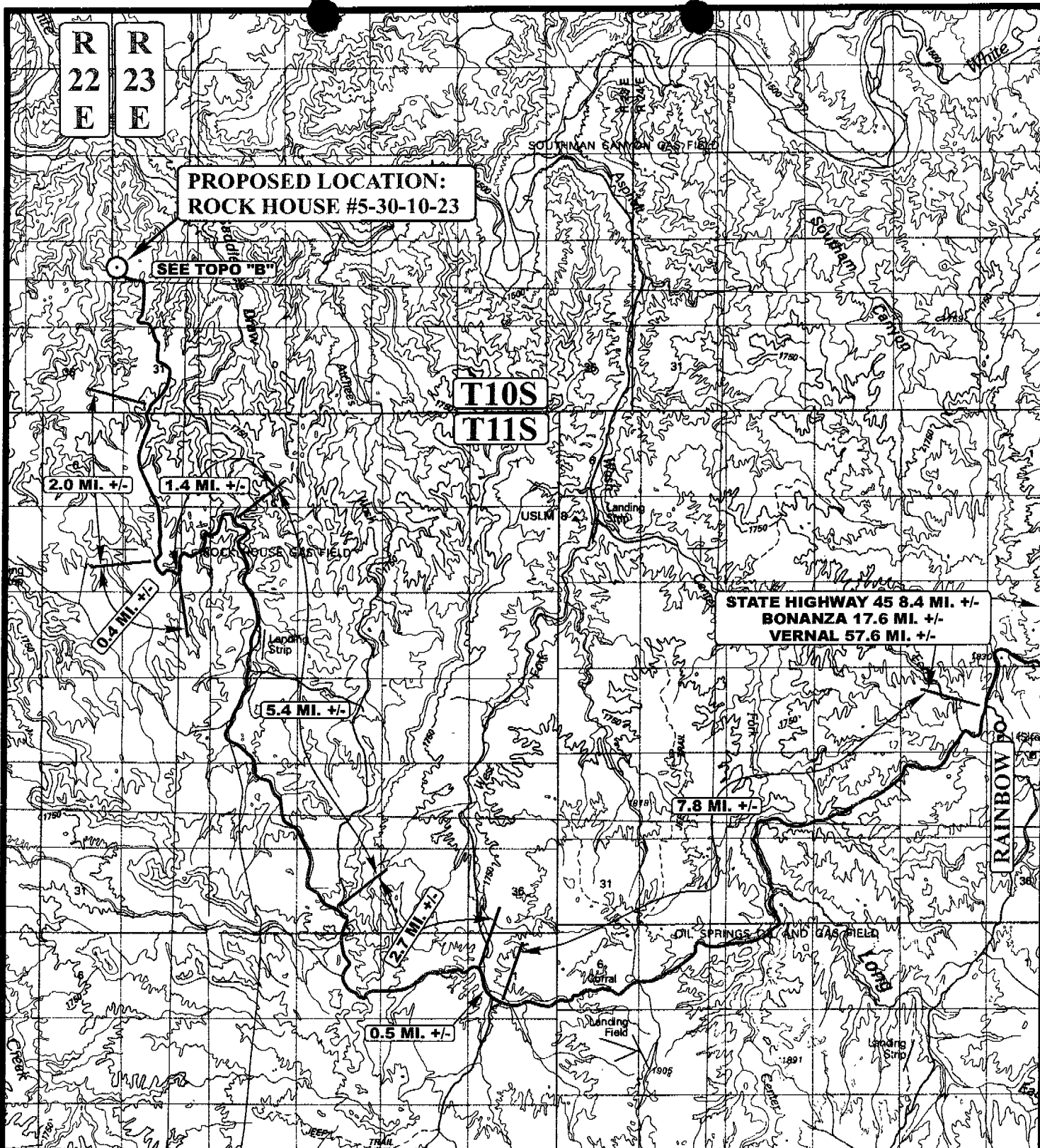
\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

## APPROXIMATE YARDAGES

CUT  
(6") Topsoil Stripping = 2,440 Cu. Yds.  
Remaining Location = 25,070 Cu. Yds.  
  
TOTAL CUT = 27,510 CU.YDS.  
FILL = 23,370 CU.YDS.

EXCESS MATERIAL = 4,140 Cu. Yds.  
Topsoil & Pit Backfill = 4,140 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 0 Cu. Yds.  
(After Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017



# **LEGEND:**

○ PROPOSED LOCATION

## **THE HOUSTON EXPLORATION COMPANY**

ROCK HOUSE #5-30-10-23  
SECTION 30, T10S, R23E, S.L.B.&M.  
1858' FNL 703' FWL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



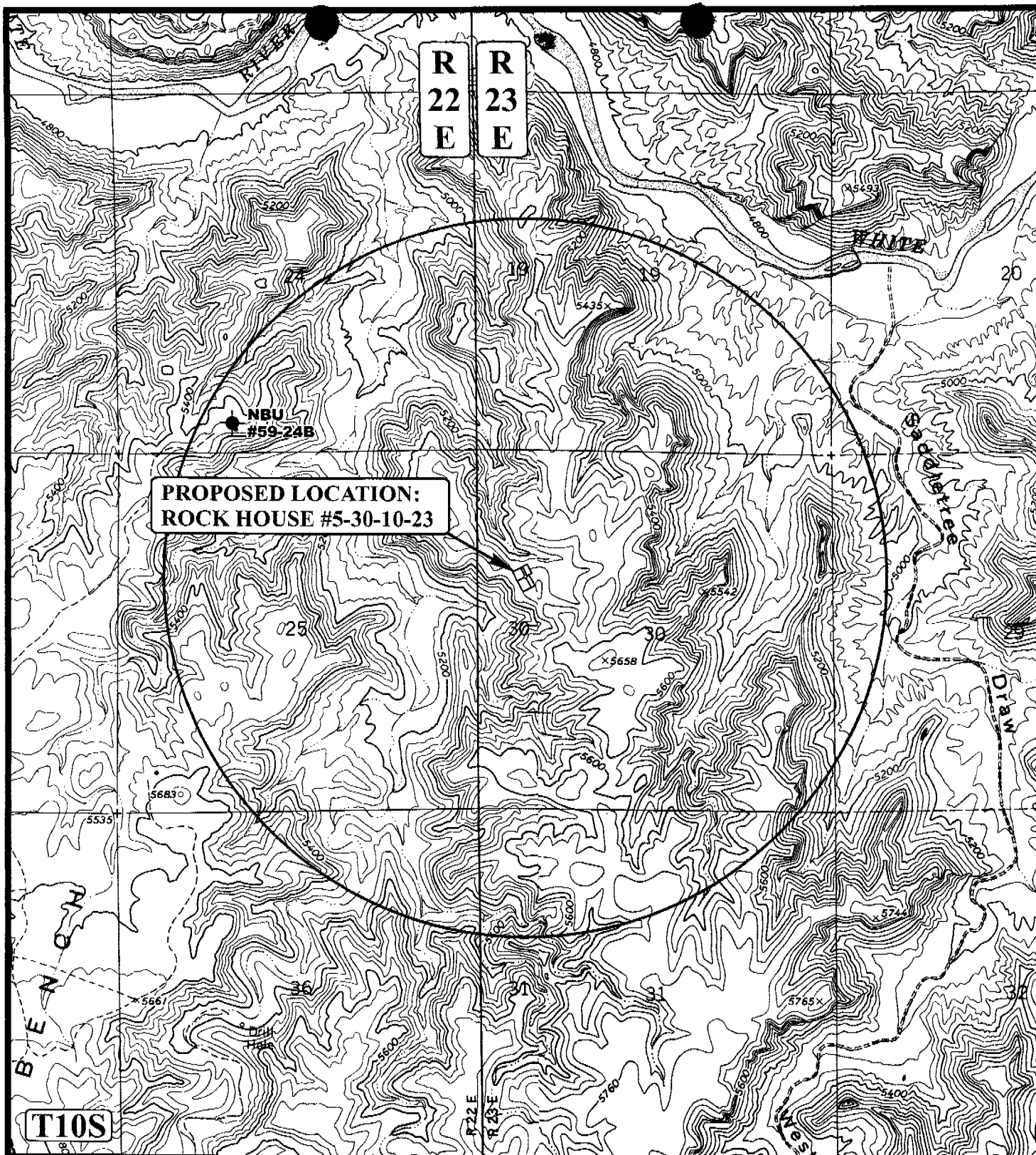
TOPOGRAPHIC  
MAP

02 22 05  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00







# **LEGEND:**

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

## **THE HOUSTON EXPLORATION COMPANY**

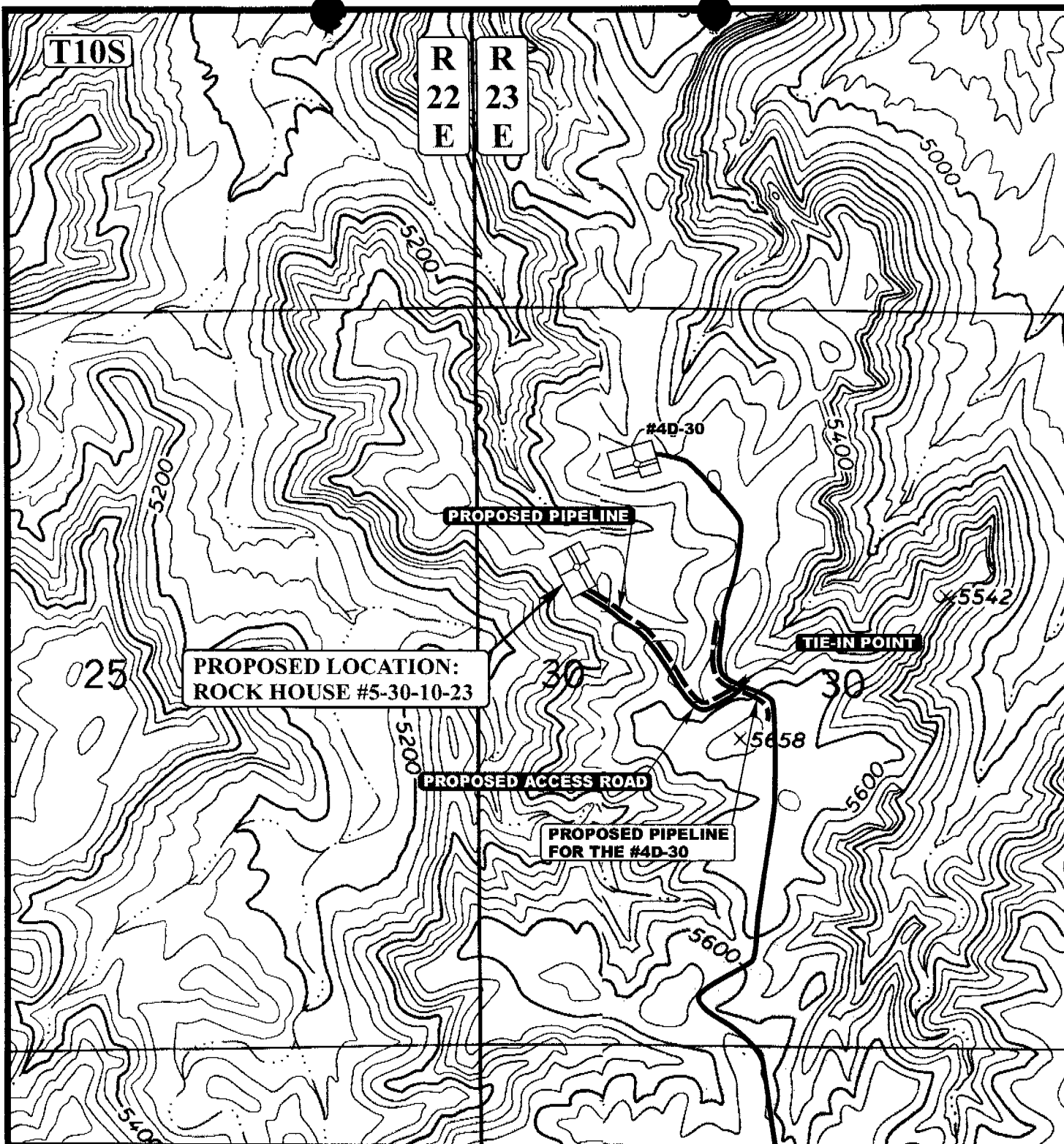
**ROCK HOUSE #5-30-10-23**  
**SECTION 30, T10S, R23E, S.L.B.&M.**  
**1858' FNL 703' FWL**

**TOPOGRAPHIC  
MAP**

**02 22 05**  
 MONTH DAY YEAR

**SCALE: 1" = 2000'** **DRAWN BY: C.P.** **REVISED: 00-00-00**





APPROXIMATE TOTAL PIPELINE DISTANCE = 1,367' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE

**THE HOUSTON EXPLORATION COMPANY**

**ROCK HOUSE #5-30-10-23**  
**SECTION 30, T10S, R23E, S.L.B.&M.**  
**1858' FNL 703' FWL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC**  
**MAP**

**02** **22** **05**  
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 00-00-00

**D**  
**TOPO**



APD RECEIVED: 04/12/2005

API NO. ASSIGNED: 43-047-36547

WELL NAME: ROCK HOUSE 5-30-10-23

OPERATOR: HOUSTON EXPLORATION CO, ( N2525 )

CONTACT: BILL RYAN

PHONE NUMBER: 435-789-0968

## PROPOSED LOCATION:

SWNW 30 100S 230E

SURFACE: 1858 FNL 0703 FWL

BOTTOM: 1858 FNL 0703 FWL

UINTAH

NATURAL BUTTES ( 630 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-76281

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: CSLGT

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 39.92207

LONGITUDE: -109.3756

## RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTU-000062 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. T-75514 )  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )  
☒ Fee Surf Agreement (Y/N)

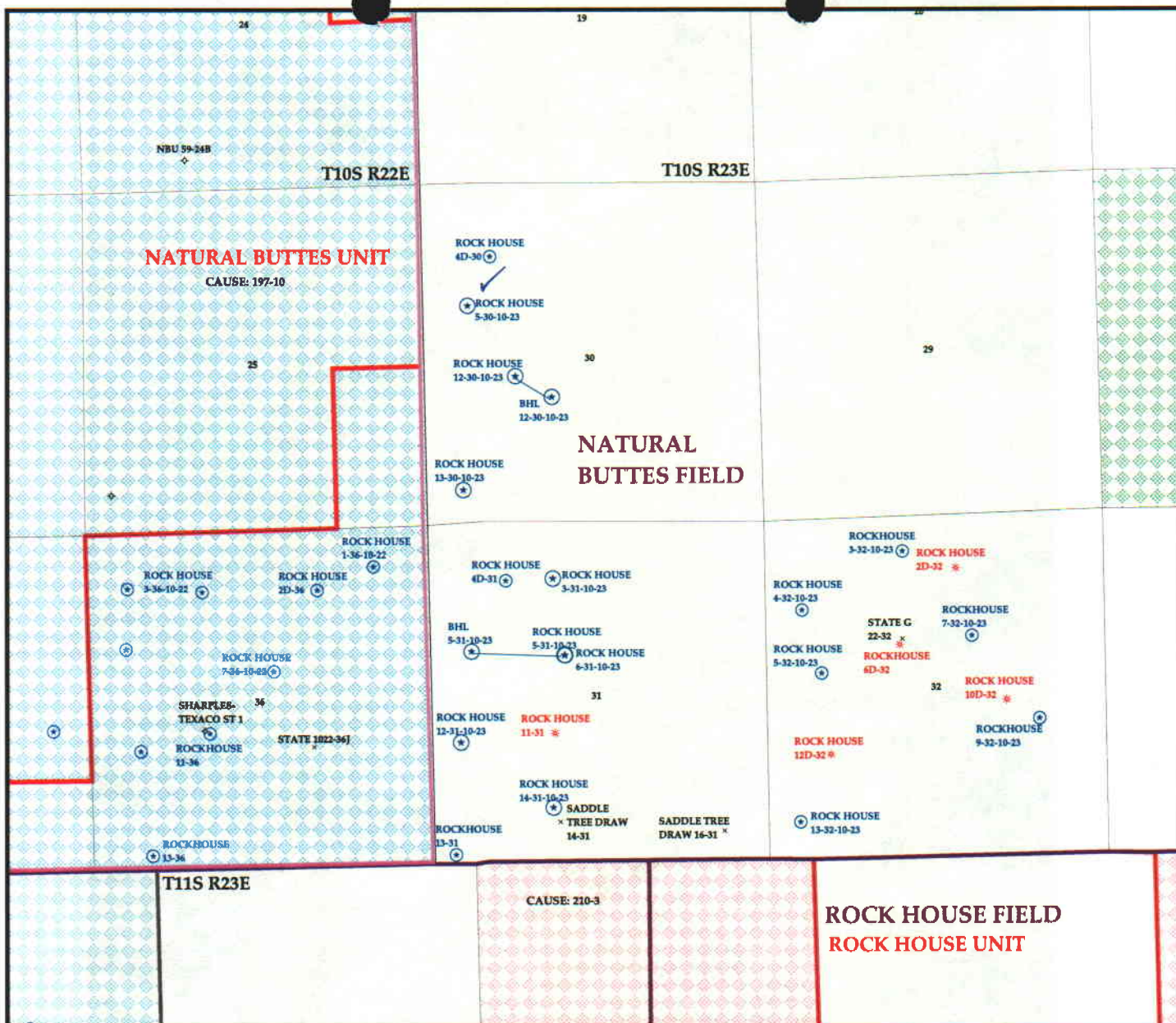
## LOCATION AND SITING:

\_\_\_\_ R649-2-3.  
Unit \_\_\_\_\_  
☒ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
\_\_\_\_ R649-3-3. Exception  
\_\_\_\_ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_  
\_\_\_\_ R649-3-11. Directional Drill

## COMMENTS:

## STIPULATIONS:

1- Federal Approval  
2- Spacing Strip



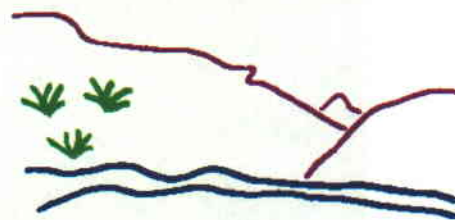
OPERATOR- THE HOUSTON EXPL CO (N2525)

SEC. 30 T.10S R.23E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

SPACING: R649-3-2 / GENERAL SITING



Utah Oil Gas and Mining

#### Wells

- ⬮ GAS INJECTION
- ⬮ GAS STORAGE
- × LOCATION ABANDONED
- ⊙ NEW LOCATION
- ⬮ PLUGGED & ABANDONED
- ⬮ PRODUCING GAS
- ⬮ PRODUCING OIL
- ⬮ SHUT-IN GAS
- ⬮ SHUT-IN OIL
- × TEMP. ABANDONED
- ⬮ TEST WELL
- ⬮ WATER INJECTION
- ⬮ WATER SUPPLY
- ⬮ WATER DISPOSAL

#### Units.shp

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

#### Fields.shp

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



PREPARED BY: DIANA WHITNEY  
DATE: 13-APRIL-2005



**State of Utah****Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

MARY ANN WRIGHT  
*Acting Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

April 13, 2005

Houston Exploration Company  
1100 Louisiana, Suite 2000  
Houston, TX 77002

Re: Rock House 5-30-10-23 Well, 1858' FNL, 703' FWL, SW NW, Sec. 30,  
T. 10 South, R. 23 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-36547.

Sincerely,

A handwritten signature in black ink, appearing to read "John R. Baza".

John R. Baza  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Houston Exploration Company  
Well Name & Number Rock House 5-30-10-23  
API Number: 43-047-36547  
Lease: UTU-76281

Location: SW NW                      Sec. 30                      T. 10 South                      R. 23 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**Request to Transfer Application or Permit to Drill**

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	Rock House 5-30-10-23
API number:	4304736547
Location:	Qtr-Qtr: SWNW Section: 30 Township: 10S Range: 23E
Company that filed original application:	HOUSTON EXPLORATION COMPANY
Date original permit was issued:	04/13/2005
Company that permit was issued to:	HOUSTON EXPLORATION COMPANY

Check one	Desired Action:
<input type="checkbox"/>	<b>Transfer pending (unapproved) Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	<b>Transfer approved Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?		<input checked="" type="checkbox"/>
If so, has the surface agreement been updated?		
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?		<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?		<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?		<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <u>RLB0008031</u>	<input checked="" type="checkbox"/>	

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) ALEX CAMPBELL Title VICE PRESIDENT OF LAND  
Signature [Signature] Date 09/19/2005  
Representing (company name) ENDURING RESOURCES, LLC

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

RECEIVED

SEP 26 2005

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER \_\_\_\_\_

2. NAME OF OPERATOR:

The Houston Exploration Company *N2525*

3. ADDRESS OF OPERATOR:

1100 Louisiana, Ste 2000

CITY Houston

STATE TX

ZIP 77002

PHONE NUMBER:

(713) 830-6938

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

See Attached List

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See Attached List

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: <u>Effective</u> <u>9/1/05</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE <u>9/1/05</u>	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Enduring Resources, LLC  
475 17th Street, Ste 1500  
Denver, CO 80202

Operator #N 2750

Utah State Bond #RLB0008031

Contact : Frank Hutto 303-350-5102

*Frank Hutto* VP. OPS  
Signature & Title

Date 9/19/05

NAME (PLEASE PRINT) Joanne Hresko

TITLE Vice President/General Manager Onshore

SIGNATURE *Joanne Hresko*

DATE 9/2/2005

(This space for State use only)

**APPROVED** 9/29/2005

*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

**RECEIVED**

**SEP 26 2005**

DIV. OF OIL, GAS & MINING

## TRANSFER OF OPERATOR

NATURAL BUTTES FIELD, UINTAH COUNTY, UTAH  
DRILLED WELLS, TO BE OPERATED BY ENDURING RESOURCES, LLC

API Well Number	Well Name	Well Status	Qtr/Qtr	Section	Township-Range	FNL/FSL	FEL/FWL	Latitude	Longitude
43047355550000	Bonanza #10D-18	SI	NWSE	18	9S-24E	1437 S	1800 E	40.03340	-109.25282
43047355510000	Bonanza #12D-12	Producing	NWSW	12	9S-23E	1556 S	867 W	40.04788	-109.28055
43047356930000	Bonanza #2D-27	Producing	NWNE	27	9S-24E	1064 N	1824 E	40.01123	-109.19600
43047359080000	Bonanza 10-11	Producing	NWSE	11	9S-23E	1991 S	1755 E	40.04866	-109.29035
43047356920000	Bonanza 10D-8	SI	NWSE	8	9S-24E	1510 S	1768 E	40.04789	-109.23383
43047355520000	Bonanza 1-11	Producing	NWNW	11	9S-23E	990 N	990 E	40.05431	-109.29891
43047359290000	Bonanza 12-20	Drlg	NWSW	20	9S-25E	1998 S	825 W	40.01947	-109.13150
43047-359210000	Bonanza 12A-18	Producing	NWSW	18	9S-24E	2067 S	813 W	40.03430	-109.26242
43047359090000	Bonanza 14-12	Evaluating	SESW	12	9S-23E	505 S	2001 W	40.04455	-109.27693
43047359940000	Bonanza 4-18	WOPL	NWNW	18	9S-24E	706 N	682 W	40.04119	-109.26288
43047-356220000	Bonanza 4D-16	Producing	NWNW	16	9S-24E	1152 N	1209 W	40.04000	-109.22349
43047358600000	Bonanza 6-36	Producing	SENW	36	9S-24E	2217 N	2009 W	39.99336	-109.16393
43047359120000	Bonanza 6B-8	Producing	SENW	8	9S-24E	2017 N	1878 W	40.05213	-109.24004
43047359200000	Bonanza 8D-7	Producing	SENE	7	9S-24E	1992 N	477 E	40.05220	-109.24845
43047359050000	Buck Canyon 15-24	P&A	SW/SE	24	12S-21E	700 S	2139 E	39.75386	-109.5134
43047348150000	Cartwright 2-35	TA	NWNE	35	9S-24E	858 N	2104 E	39.99733	-109.17882
43047332510000	East Bench 11-16	WOC	NESW	16	11S-22E	S S	1980 W	39.85889	-109.46172
43047347560000	Hoss 15	Producing	SWSE	20	9S-25E	1291 S	2088 E	40.01767	-109.12236
43047348140000	Little Joe 11-7	TA	NENE	7	9S-25E	710 N	644 E	40.05562	-109.13601
43047361500000	Rainbow 14-17	WOC	SESW	17	11S-24E	780 S	1726 W	39.85689	-109.25731
43047361840000	Rainbow 2-16	WOC	NWNE	16	11S-24E	837 N	2136 E	39.86708	-109.23348
43047353630000	Southman Canyon 10D-36	Producing	NWSE	36	9S-23E	1757 S	1650 E	39.98991	-109.27148
43047353640000	Southman Canyon 12D-36	Producing	NWSW	36	9S-23E	1518 S	1069 W	39.98977	-109.28040
43047357700000	Southman Canyon 14C-36	Producing	SESW	36	9S-23E	648 S	1717 W	39.98689	-109.27716
43047357720000	Southman Canyon 16C-36	Producing	SESE	36	9S-23E	542 S	736 E	39.98607	-109.26912
43047356910000	Southman Canyon 2D-30	Producing	NWNE	30	9S-24E	1171 N	1502 E	40.01111	-109.25269
43047353650000	Southman Canyon 2D-36	Producing	NWNE	36	9S-23E	960 N	1751 E	39.99711	-109.27228
43047353610000	Southman Canyon 4D-36	Producing	NWNW	36	9S-23E	1163 N	1137 W	39.99623	-109.28012
43047353620000	Southman Canyon 6D-36	Producing	SENW	36	9S-23E	2466 N	2271 W	39.99336	-109.27635
43047357710000	Southman Canyon 8C-36	Producing	SENE	36	9S-23E	2185 N	694 E	39.99358	-109.26783
43047355590000	Thurston Federal #12-1	Producing	SESW	12	12S-21E	692 S	1959 W	39.78280	-109.51768

# TRANSFER OF OPERATOR BLM APPROVED WELLS #2

**PREVIOUS OPERATOR:** Houston Exploration Company

**NEW OPERATOR:** Enduring Resources, LLC

**EFFECTIVE DATE:** September 1st, 2005

Well Name	Q/Q	Sec	T	R	Lease Number	Footages f/ Sec Lines - SL	API Number
<del>Asphalt Wash 15-7</del>	<del>SW/SW</del>	<del>7</del>	<del>11S</del>	<del>24E</del>	<del>UTU-73919</del>	<del>739' FSL &amp; 629' FWL</del>	<del>43-047-36234</del>
Bonanza 16-18	SE/SE	18	9S	24E	UTU-73457	861' FSL & 715' FEL	43-047-35992
Bonanza 4-11	NW/NW	11	9S	23E	UTU-74426	671' FNL & 729' FWL	43-047-35968
Bonanza 10D-12	NW/SE	12	9S	23E	UTU-74426	1,785' FSL & 1,855' FEL	43-047-35919
Bonanza 12-11	NW/SW	11	9S	23E	UTU-74426	1748' FSL & 420' FWL	43-047-35916
Bonanza 14-18	SE/SW	18	9S	24E	UTU-73457	472' FSL & 2,010' FWL	43-047-35993
Bonanza 14A-8	SE/SW	8	9S	24E	UTU-73457	907' FSL & 2,298' FWL	43-047-35952
Bonanza 16A-27	SE/SE	27	9S	24E	UTU-80571	862' FSL & 581' FEL	43-047-35923
Bonanza 2-21	NW/NE	21	8S	25E	UTU-73470	1,207' FNL & 1,541' FEL	43-047-35926
Bonanza 3-8	NW/NW	8	9S	24E	UTU-73457	573' FNL & 1,518' FWL	43-047-35966
Bonanza 6D-7	SE NW	7	9S	24E	UTU-73457	2,310' FNL & 2,310' FWL	43-047-35690
Bonanza 8-11	SE/NE	11	9S	23E	UTU-74426	2,163 FNL & 615' FEL	43-047-35907
Bonanza 8B-27	SE/NE	27	9S	24E	UTU-80571	1,830' FNL & 735' FEL	43-047-35923
Buck Camp 4-25	NW/NW	25	11S	22E	UTU-74424	804 FNL & 695 FWL	43-047-36276
Buck Camp 4-26	NW/NW	26	11S	22E	UTU-74974	660' FNL & 660' FWL	43-047-36274
Buck Canyon 1-24	NE/NE	24	12S	21E	UTU-73440	488' FNL & 833' FEL	43-047-35606
<del>Buck Canyon 15-24</del>	<del>SW/SE</del>	<del>24</del>	<del>12S</del>	<del>21E</del>	<del>UTU-73440</del>	<del>700' FSL &amp; 2,139' FEL</del>	<del>43-047-35905</del>
<del>Buck Canyon 7-24</del>	<del>SW/NE</del>	<del>24</del>	<del>12S</del>	<del>21E</del>	<del>UTU-73440</del>	<del>2,041' FNL &amp; 2,171' FEL</del>	<del>43-047-35904</del>
<del>Buck Canyon 9-24</del>	<del>NE/SE</del>	<del>24</del>	<del>12S</del>	<del>21E</del>	<del>UTU-73440</del>	<del>1784' FSL &amp; 855' FEL</del>	<del>43-047-35903</del>
Rainbow 1-17	NE/NE	17	11S	24E	UTU-73920	795' FNL & 586' FEL	43-047-36151
Southman Canyon #14-30	SE/SW	30	9S	24E	UTU-80571	740' FSL & 1,737' FWL	43-047-35914
Southman Canyon #4C-30	NW/NW	30	9S	24E	UTU-80571	676' FNL & 568' FWL	43-047-35913
Southman Canyon 12-30	NW/SW	30	9S	24E	UTU-80571	1,912' FSL & 513' FWL	43-047-36104
Southman Canyon 8-30	SE/NE	30	9S	24E	UTU-80571	1,875' FNL & 818' FEL	43-047-35994
Southman Canyon 9-30	NE/SE	30	9S	24E	UTU-80571	2,089' FSL & 831' FEL	43-047-36019

\* 43047-35906  
• 43047-35953

# TRANSFER OF OPERATOR STATE OF UTAH APPROVED AND PENDING

#3

PREVIOUS OPERATOR: Houston Exploration Company

NEW OPERATOR: Enduring Resources, LLC

EFFECTIVE DATE: September 1st, 2005

Well Name	Q/Q	Sec	T	R	Lease Number	Footages f/ Sec Lines - SL	API Number	FIELD	Well Type
Asphalt Wash 11-16-11-24	NESW	16	11S	24E	ML-73921	2000 FSL & 1900 FWL	43-047-37088	Undesignated	Gas
Asphalt Wash 12-16-11-24	NWSW	16	11S	24E	ML-47080	2060 FSL & 839 FWL	43-047-36873	Undesignated	Gas
Asphalt Wash 14-16-11-24	SESW	16	11S	24E	ML-47080	537 FSL & 2140 FWL	43-047-36876	Undesignated	Gas
Asphalt Wash 3-16-11-24	NENW	16	11S	24E	ML-47080	825 FNL & 2116 FWL	43-047-36886	Undesignated	Gas
Asphalt Wash 4-16-11-24	NWNW	16	11S	24E	ML-47080	521 FNL & 766 FWL	43-047-36885	Undesignated	Gas
Asphalt Wash 5-16-11-24	SWNW	16	11S	24E	ML-47080	1880 FNL & 630 FWL	43-047-37089	Undesignated	Gas
Asphalt Wash 7-16-11-24	SWNE	16	11S	24E	ML-47080	1781 FNL & 1676 FEL	43-047-36874	Undesignated	Gas
Asphalt Wash 8-16-11-24	SENE	16	11S	24E	ML-47080	1905 FNL & 642 FEL	43-047-36875	Undesignated	Gas
Bonanza 14-20	SESW	20	9S	25E	ML-45558	838' FSL & 1,922' FWL	43-047-35930	Chapita Wells	Gas
Bonanza 4-20	NWNW	20	9S	25E	ML-45558	933' FNL & 583 FWL	43-047-35924	Chapita Wells	Gas
Bonanza 4-29	NWNW	29	9S	25E	ML-45559	600' FNL & 596' FWL	43-047-36010	Chapita Wells	Gas
Bonanza 4-36	NWNW	36	9S	24E	ML-46527	258' FNL & 862' FWL	43-047-35861	Natural Buttes	Gas
Bonanza 6-20	SENW	20	9S	25E	ML-45558	2,178' FNL & 1,839' FWL	43-047-35928	Chapita Wells	Gas
<del>Buck Canyon 9-16-12-21</del>	<del>NESE</del>	<del>16</del>	<del>12S</del>	<del>21E</del>	<del>ML-47085</del>	<del>1980' FSL &amp; 660' FEL</del>	<del>43-047-37091</del>	<del>Buck Canyon</del>	<del>Gas</del>
Buck Canyon 11-16-12-21	NESW	16	12S	21W	ML-47085	NA	43-047-37119	Undesignated	Gas
Buck Canyon 13-16-21-21	SWSW	16	21S	21W	ML-47085	NA	43-047-37118	Undesignated	Gas
Buck Canyon 15-16-12-21	SWSE	16	12S	21W	ML-47085	NA	43-047-37120	Buck Canyon	Gas
East Bench 1-16	NENE	16	11S	22E	ML-46911	660' FNL & 660' FEL	43-047-36126	Undesignated	Gas
East Bench 15-16	SWSE	16	11S	22E	ML-46911	545' FSL & 1,848' FEL	43-047-36128	Undesignated	Gas
East Bench 3-16	NENW	16	11S	22E	ML-46911	832' FNL & 1,978' FWL	43-047-36125	Undesignated	Gas
East Bench 7-16	SWNE	16	11S	22E	ML-46911	1,909' FNL & 1,643' FEL	43-047-36127	Undesignated	Gas
East Bench 12-16-11-22	NWSW	16	11S	22E	ML-46911	1862 FSL & 838 FEL	43-047-37128	Undesignated	Gas
East Bench 13-16-11-22	SWSW	16	11S	22E	ML-46911	880 FSL & 750 FWL	43-047-37130	Undesignated	Gas
East Bench 14-16-11-22	SESW	16	11S	22E	ML-46911	848 FSL & 1930 FWL	43-047-37122	Undesignated	Gas
East Bench 16-16-11-22	SESE	16	11S	22E	ML-46911	663 FSL & 1055 FEL	43-047-37121	Undesignated	Gas
East Bench 2-16-11-22	NWNE	16	11S	22E	ML-46911	705 FNL & 2077 FEL	43-047-37125	Undesignated	Gas
East Bench 4-16-11-22	NWNW	16	11S	22E	ML-46911	760 FNL & 860 FWL	43-047-37126	Undesignated	Gas
East Bench 5-16-11-22	SWNW	16	11S	22E	ML-46911	1980 FNL & 758 FWL	43-047-37129	Undesignated	Gas
East Bench 6-16-11-22	SENW	16	11S	22E	ML-46911	1887 FNL & 2138 FWL	43-047-37124	Undesignated	Gas
East Bench 8-16-11-22	SENE	16	11S	22E	ML-46911	1880 FNL & 780 FEL	43-047-37127	Undesignated	Gas
East Bench 9-16-11-22	NESE	16	11S	22E	ML-46911	2035 FSL & 1422 FEL	43-047-37123	Undesignated	Gas
<del>Gusher 6-2</del>	<del>SENW</del>	<del>2</del>	<del>6S</del>	<del>19E</del>	<del>ML-49144</del>	<del>1550 FNL &amp; 1025 FWL</del>	<del>43-047-36963</del>	<del>Moffit Canal</del>	<del>Oil</del>
Hanging Rock 1-32	NENE	32	11S	23E	ML-47079	542' FNL & 690' FEL	43-047-36309	Undesignated	Gas
Little Pack Mountain 1-16	NWNW	16	12S	20E	ML-47082	609 FNL & 688 FEL	43-047-36981	Wildcat	Gas
Little Pack Mountain 7-32	SWNE	32	12S	20E	ML-47083	1792 FNL & 1797 FEL	43-047-36980	Wildcat	Gas
Rock House 12-36-10-23	NWSW	36	10S	23E	ML-47907	1844 FSL & 755 FWL	43-047-36534	Natural Buttes	Gas
Rock House 13-32-10-23	SWSW	32	10S	23E	ML-47063	564 FSL & 471 FWL	43-047-36411	Natural Buttes	Gas
Rock House 1-36-10-22	NENE	36	10S	22E	ML-47061	620 FNL & 850 FEL	43-047-36408	Natural Buttes	Gas
Rock House 3-36-10-22	NENW	36	10S	22E	ML-47061	934 FNL & 1783 FWL	43-047-36407	Natural Buttes	Gas
Rock House 4-32-10-23	SWNW	32	10S	23E	ML-47063	1406 FNL & 562 FWL	43-047-36412	Natural Buttes	Gas
Rock House 7-36-10-22	SWNE	36	10S	22E	ML-47061	2209 FNL & 2445 FEL	43-047-36409	Natural Buttes	Gas
<del>Rock House 9-32-10-23</del>	<del>NESE</del>	<del>32</del>	<del>10S</del>	<del>23E</del>	<del>ML-47063</del>	<del>2008 FSL &amp; 1042 FEL</del>	<del>43-047-36337</del>	<del>Natural Buttes</del>	<del>Gas</del>
Rockhouse #13-36	SWSW	36	10S	22E	ML-46907	486 FSL & 844' FWL	43-047-35902	Natural Buttes	Gas
Rockhouse 16-2	SESE	2	11S	23E	ML-47078	909' FSL & 748' FEL	43-047-36152	Rockhouse	Gas
Seep Springs 10-13-12-24	NWSE	13	12S	24E	ML-49275	1950 FSL & 1802 FEL	43-047-36634	Undesignated	Gas
Seep Springs 1-13-12-24	NENE	13	12S	24E	ML-49275	753 FNL & 487 FEL	43-047-36628	Undesignated	Gas
Seep Springs 15-11-12-24	SWSE	11	12S	24E	ML-49274	829 FSL & 2178 FEL	43-047-36626	Undesignated	Gas
Seep Springs 15-13-12-24	SWSE	13	12S	24E	ML-49275	622 FSL & 1806 FEL	43-047-36630	Undesignated	Gas
Seep Springs 16-11-12-24	SESE	11	12S	24E	ML-49274	659 FSL & 466 FEL	43-047-36625	Undesignated	Gas
Seep Springs 16-13-12-24	SESE	13	12S	24E	ML-49275	686 FSL & 640 FEL	43-047-36629	Undesignated	Gas
Seep Springs 2-13-12-24	NWNE	13	12S	24E	ML-49275	465 FNL & 1807 FEL	43-047-36627	Undesignated	Gas
Seep Springs 7-13-12-24	SWNE	13	12S	24E	ML-49275	FNL & FEL	43-047-36631	Undesignated	Gas
Seep Springs 8-13-12-24	SENE	13	12S	24E	ML-49275	1969 FNL & 642 FEL	43-047-36632	Undesignated	Gas
Seep Springs 9-13-12-24	NESE	13	12S	24E	ML-49275	663 FSL & 1960 FEL	43-047-36633	Undesignated	Gas
<del>Southman Canyon 11-36-9-23</del>	<del>NESW</del>	<del>36</del>	<del>9S</del>	<del>23E</del>	<del>ML-47782</del>	<del>1965 FSL &amp; 1953 FWL</del>	<del>43-047-36535</del>	<del>Natural Buttes</del>	<del>Gas</del>
<del>Southman Canyon 13-36-9-23</del>	<del>SWSW</del>	<del>36</del>	<del>9S</del>	<del>23E</del>	<del>ML-47782</del>	<del>467 FSL &amp; 823 FWL</del>	<del>43-047-36532</del>	<del>Natural Buttes</del>	<del>Gas</del>

# TRANSFER OF OPERATOR STATE OF UTAH APPROVED AND PENDING

**PREVIOUS OPERATOR:** Houston Exploration Company

**NEW OPERATOR:** Enduring Resources, LLC

**EFFECTIVE DATE:** September 1st, 2005

Well Name	Q/Q	Sec	T	R	Lease Number	Footages f/ Sec Lines - SL	API Number	FIELD	Well Type
Southman Canyon 1-36-9-23	NENE	36	9S	23E	ML-47782	681 FNL & 496 FEL	43-047-36537	Natural Buttes	Gas
Southman Canyon 15-36-9-23	SWSE	36	9S	23E	ML-47782	529 FSL & 1784 FEL	43-047-36529	Natural Buttes	Gas
Southman Canyon 3-36-9-23	NENW	36	9S	23E	ML-47782	464 FNL & 1815 FWL	43-047-36530	Natural Buttes	Gas
Southman Canyon 5-36-9-23	SWNW	36	9S	23E	ML-47782	2028 FNL & 499 FWL	43-047-36531	Natural Buttes	Gas
Southman Canyon 7-36-9-23	SENE	36	9S	23E	ML-47782	2184 FNL & 1994 FEL	43-047-36536	Natural Buttes	Gas
Southman Canyon 9-36-9-23	NESE	36	9S	23E	ML-47782	1978 FNL & 657 FEL	43-047-36533	Natural Buttes	Gas



# TRANSFER OF OPERATOR BLM PENDING WELLS

**PREVIOUS OPERATOR:** Houston Exploration Company

**NEW OPERATOR:** Enduring Resources, LLC

**EFFECTIVE DATE:** September 1st, 2005

Well Name	Q/Q	Sec	T	R	Lease Number	Footages f/ Sec Lines - SL	API Number
Asphalt Wash 13-6	SW/SW	6	11S	24E	UTU-73919	400' FSL & 550' FWL	
Asphalt Wash 10-9-11-24	NW SE	9	11S	24E	UTU-73920	1846 FSL & 1942 FEL	43-047-37071
Asphalt Wash 11-9-11-24	NE SW	9	11S	24E	UTU-73920	1799 FSL & 1782 FWL	43-047-37073
Asphalt Wash 12-6-11-24	NW SW	6	11S	24E	UTU-73919	1844 FSL & 683 FWL	43-047-37066
Asphalt Wash 14-6-11-24	SE SW	6	11S	24E	UTU-73919	704 FSL & 2123 FWL	43-047-37067
Asphalt Wash 14-9-11-24	SE SW	9	11S	24E	UTU-73920	460 FSL & 2115 FWL	43-047-37076
Asphalt Wash 15-9-11-24	SW SE	9	11S	24E	UTU-73920	804 FSL & 1990 FEL	43-047-37074
Asphalt Wash 16-9-11-24	SE SE	9	11S	24E	UTU-73920	826 FSL & 472 FEL	43-047-37075
Asphalt Wash 2-6-11-24	NW NE	6	11S	24E	UTU-73919	735 FNL & 1590 FEL	43-047-37061
Asphalt Wash 2-7-11-24	NW NE	7	11S	24E	UTU-73919	621 FNL & 2462 FEL	43-047-37068
Asphalt Wash 2-9-11-24	NW NE	9	11S	24E	UTU-73920	829 FNL & 1774 FEL	43-047-37070
Asphalt Wash 3-6-11-24	NE NW	6	11S	24E	UTU-73919	792 FNL & 1925 FWL	43-047-37062
Asphalt Wash 4-6-11-24	NW NW	6	11S	24E	UTU-73919	820 FNL & 1007 FWL	43-047-37063
Asphalt Wash 5-6-11-24	SW NW	6	11S	24E	UTU-73919	1738 FNL & 716 FWL	43-047-37064
Asphalt Wash 6-7-11-24	SE NW	7	11S	24E	UTU-73919	2013 FNL & 2241 FWL	43-047-37069
Asphalt Wash 7-6-11-24	SW NE	6	11S	24E	UTU-73919	1616 FNL & 1615 FEL	43-047-37065
Asphalt Wash 7-9-11-24	SE NE	9	11S	24E	UTU-73920	1883 FNL & 1854 FEL	43-047-37072
Asphalt Wash 1-7-11-24	NE NE	7	11S	24E	UTU-73919	426 FNL & 270 FEL	43-047-37084
Asphalt Wash 4-7-11-24	NW NW	7	11S	24E	UTU-73919	856 FNL & 860 FWL	43-047-37085
Asphalt Wash 7-7-11-24	SW NE	7	11S	24E	UTU-73919	1909 FNL & 1893 FEL	43-047-37087
Asphalt Wash 8-7-11-24	SE NE	7	11S	24E	UTU-73919	1998 FNL & 683 FEL	43-047-37086
Bonanza 4-7	NW/NW	7	9S	24E	UTU-73457	809' FNL & 670' FWL	43-047-36017
Bonanza 8-17	SW/NE	17	9S	24E	UTU-73457	1865' FNL & 584' FEL	43-047-36041
Bonanza 11-11-9-23	NE SW	11	9S	23E	UTU-74426	2036 FSL & 2043 FWL	43-047-36649
Bonanza 11-12-9-23	NE SW	12	9S	23E	UTU-74426	1799 FSL & 1948 FWL	43-047-36655
Bonanza 11-18-9-24	NE SW	18	9S	24E	UTU-73457	1785 FSL & 2133 FWL	43-047-36637
Bonanza 12-23-9-24	NW/SW	23	9S	24E	UTU-81311	1882 FSL & 699 FWL	43-047-36640
Bonanza 12-35	NW/SW	35	9S	24E	UTU 73459	1374' FSL & 858' FWL	43-047-36020
Bonanza 13-11-9-23	SW SW	11	9S	23E	UTU-74426	463 FSL & 773 FWL	43-047-36650
Bonanza 13-12-9-23	SW SW	12	9S	23E	UTU-74426	661 FSL & 656 FWL	43-047-36528
Bonanza 13-18-9-24	SW SW	18	9S	24E	UTU-73457	767 FSL & 583 FWL	43-047-36638
Bonanza 14-11-9-23	SE SW	11	9S	23E	UTU-74426	756 FSL & 1859 FWL	43-047-36651
Bonanza 14-23-9-24	SE/SW	23	9S	24E	UTU-81311	560 FSL & 1878 FWL	43-047-36641
Bonanza 15-11-9-23	SW SE	11	9S	23E	UTU-74426	660 FSL & 1980 FEL	43-047-36652
Bonanza 15-12-9-23	SW SE	12	9S	23E	UTU-74426	607 FSL & 1920 FEL	43-047-36656
Bonanza 15-18-9-24	SW SE	18	9S	24E'	UTU-73457	463 FSL & 2162 FEL	43-047-36639
Bonanza 16-12-9-23	SE SE	12	9S	23E	UTU-74426	855 FSL & 536 FEL	43-047-36657
Bonanza 16-8	SE/SE	8	9S	24E	UTU-73457	588' FSL & 524' FEL	43-047-36101
Bonanza 2-11-9-23	NW NE	11	9S	23E	UTU 74426	664 FNL & 1925 FEL	43-047-36643
Bonanza 2-12-9-23	NW NE	12	9S	23E	UTU-74426	743 FNL & 1962 FEL	43-047-36527
Bonanza 3-11-9-23	NE NW	11	9S	23E	UTU 74426	499 FNL & 1898 FWL	43-047-36644
Bonanza 3-12-9-23	NE NW	12	9S	23E	UTU-74426	734 FNL & 1866 FWL	43-047-36524
Bonanza 4-35	NW/NW	35	9S	24E	UTU 73459	789' FNL & 807' FWL	43-047-35925
Bonanza 5-11-9-23	SW NW	11	9S	23E	UTU 74426	1794 FNL & 609 FWL	43-047-36645

# TRANSFER OF OPERATOR BLM PENDING WELLS

**PREVIOUS OPERATOR:** Houston Exploration Company

**NEW OPERATOR:** Enduring Resources, LLC

**EFFECTIVE DATE:** September 1st, 2005

Well Name	Q/Q	Sec	T	R	Lease Number	Footages f/ Sec Lines - SL	API Number
Bonanza 5-12-9-23	SW NW	12	9S	23E	UTU-74426	1996 FNL & 558 FWL	43-047-36526
Bonanza 5-18-9-24	SW NW	18	9S	24E	UTU-73457	2147 FNL & 662 FWL	43-047-36635
Bonanza 5-22	SW/NW	22	8S	25E	UTU-73470	1,932' FNL & 415' FWL	43-047-35918
Bonanza 5-24-9-24	SW/NW	24	9S	24E	UTU-73458	2167 FNL & 714 FWL	43-047-36642
Bonanza 6-11-9-23	SE NW	11	9S	23E	UTU-74426	2069 FNL & 1801 FWL	43-047-36646
Bonanza 6-12-9-23	SE NW	12	9S	23E	UTU-74426	2114 FNL & 1871 FWL	43-047-36525
Bonanza 7-11-9-23	SW NE	11	9S	23E	UTU-74426	2060 FNL & 2134 FEL	43-047-36647
Bonanza 7-12-9-23	SW NE	12	9S	23E	UTU-74426	2065 FNL & 2159 FEL	43-047-36653
Bonanza 8-35	SENE	35	9S	24E	UTU-73459	1987' FNL & 909' FEL	43-047-36105
Bonanza 9-11-9-23	NE SE	11	9S	23E	UTU-74426	2008 FSL & 553 FEL	43-047-36648
Bonanza 9-12-9-23	NE SE	12	9S	23E	UTU-74426	1980 FSL & 660 FEL	43-047-36654
Bonanza 9-18-9-24	NE SE	18	9S	24E	UTU-73457	2009 FSL & 852 FEL	43-047-36636
Bonanza 9-22	NE/SE	22	9S	24E	UTU-75118	1,969' FSL & 495' FEL	43-047-36102
East Bench 9-20	NE/SE	20	11S	22E	UTU-73905	2,170' FSL & 472' FEL	43-047-36275
Rock House 12-30-10-23	NE SW	30	10S	23E	UTU-76281	2320 FSL & 1980 FWL	43-047-36548
Rock House 12-31-10-23	NW SW	31	10S	23E	UTU-76281	1900 FSL & 460 FWL	43-047-36552
Rock House 13-30-10-23	SW SW	30	10S	23E	UTU-76281	553 FSL & 573 FWL	43-047-36549
Rock House 14-31-10-23	SE SW	31	10S	23E	UTU-76281	860 FSL & 1890 FWL	43-047-36553
Rock House 3-31-10-23	NE NW	31	10S	23E	UTU-76281	854 FNL & 1940 FWL	43-047-36551
Rock House 5-30-10-23	SW NW	30	10S	23E	UTU-76281	1858 FNL & 703 FWL	43-047-36547
Rock House 5-31-10-23	SW NW	31	10S	23E	UTU-76281	2055 FNL & 2097 FWL	43-047-36550
Rock House 6-31-10-23	SE NW	31	10S	23E	UTU-76281	2059 FNL & 2111 FWL	43-047-36554
<del>Rockhouse #12-30</del>	<del>NW/SW</del>	<del>30</del>	<del>10S</del>	<del>23E</del>	<del>UTU-80571</del>	<del>1,980' FSL &amp; 660' FWL</del>	<del>43-047-36018</del> X
Rockhouse 13C-31	SW/SW	31	10S	23E	UTU-76281	135' FSL & 365' FWL	43-047-35911
Rockhouse 4D-30	NW NW	30	10S	23E	UTU-76281	1,116 FNL & 1,135' FWL	43-047-35882
Rockhouse 4D-31	NW NW	31	10S	23E	UTU-76281	990' FNL & 990' FWL	43-047-35807
Southman Canyon 12-3-11-24	NW/SW	3	11S	24E	UTU-73918	1,950' FSL & 514' FWL	43-047-36272
Southman Canyon 12-30-10-24	NW/SW	30	10S	24E	UTU-65371	2,118' FSL & 502' FWL	43-047-36238
Southman Canyon 13-30	SW/SW	30	9S	24E	UTU-80571	765' FSL & 303' FWL	43-047-36018
Southman Canyon 16-31-10-24	SE/SE	31	10S	24E	UTU-65371	621' FSL & 575' FEL	43-047-36270
Southman Canyon 4-30-10-24	NW/NW	30	10S	24E	UTU 65371	649' FNL & 607' FWL	43-047-36237
Southman Canyon 5-19-10-24	SW/NW	19	10S	24E	UTU-65371	1,978' FNL & 855' FWL	43-047-36236
Southman Canyon 6-30	SE/NW	30	9S	24E	UTU-80571	2,015' FNL & 2,581' FWL	43-047-36103

X Duplicate API -  
Different well name

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. DJJ

2. CDW

## X Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

9/1/2005

**FROM: (Old Operator):**

N2525-The Houston Exploration Company  
1100 Louisiana, Suite 2000  
Houston, TX 77002

Phone: 1-(713) 830-6938

**TO: ( New Operator):**

N2750-Enduring Resources, LLC  
475 17th Street, Suite 1500  
Denver, CO 80202

Phone: 1-(303) 350-5102

CA No.

Unit:

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
BONANZA 3-12-9-23	12	090S	230E	4304736524		Federal	GW	APD	C
BONANZA 6-12-9-23	12	090S	230E	4304736525		Federal	GW	APD	C
BONANZA 5-12-9-23	12	090S	230E	4304736526		Federal	GW	APD	C
BONANZA 2-12-9-23	12	090S	230E	4304736527		Federal	GW	APD	C
BONANZA 13-12-9-23	12	090S	230E	4304736528		Federal	GW	APD	C
BONANZA 5-18-9-24	18	090S	240E	4304736635		Federal	GW	APD	C
ROCK HOUSE 5-30-10-23	30	100S	230E	4304736547		Federal	GW	APD	C
ROCK HOUSE 12-30-10-23	30	100S	230E	4304736548		Federal	GW	NEW	C
ROCK HOUSE 13-30-10-23	30	100S	230E	4304736549		Federal	GW	APD	C
ROCK HOUSE 5-31-10-23	31	100S	230E	4304736550		Federal	GW	NEW	C
ROCK HOUSE 3-31-10-23	31	100S	230E	4304736551		Federal	GW	APD	C
ROCK HOUSE 12-31-10-23	31	100S	230E	4304736552		Federal	GW	APD	C
ROCK HOUSE 14-31-10-23	31	100S	230E	4304736553		Federal	GW	APD	C
ROCK HOUSE 6-31-10-23	31	100S	230E	4304736554		Federal	GW	APD	C
SOUTHMAN CYN 5-19-10-24	19	100S	240E	4304736236		Federal	GW	APD	
SOUTHMAN CYN 4-30-10-24	30	100S	240E	4304736237		Federal	GW	APD	
SOUTHMAN CYN 12-30-10-24	30	100S	240E	4304736238		Federal	GW	APD	
SOUTHMAN CYN 16-31-10-24	31	100S	240E	4304736270		Federal	GW	APD	
EAST BENCH 9-20	20	110S	220E	4304736275		Federal	GW	APD	C
BUCK CAMP 4-25	25	110S	220E	4304736276		Federal	GW	APD	C
BUCK CAMP 4-26	26	110S	220E	4304736274		Federal	GW	APD	C
SOUTHMAN CYN 12-3-11-24	03	110S	240E	4304736272		Federal	GW	APD	

## OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/26/2005
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/26/2005

3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 9/29/2005
4. Is the new operator registered in the State of Utah: YES Business Number: 5771233-0161
5. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on:

Requested 9/29/05

6b. Inspections of LA PA state/fee well sites complete on:

n/a

6c. Reports current for Production/Disposition & Sundries on:

9/29/2005

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA n/a

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on:                      not yet

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on:                      n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:                      n/a

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on:                      9/29/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on:                      9/29/2005
3. Bond information entered in RBDMS on:                      9/30/2005
4. Fee/State wells attached to bond in RBDMS on:                      9/30/2005
5. Injection Projects to new operator in RBDMS on:                      n/a
6. Receipt of Acceptance of Drilling Procedures for APD/New on:                      9/26/2005

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number:                      UTB000173

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number:                      n/a

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number                      RLB0008031
2. The FORMER operator has requested a release of liability from their bond on:                      n/a  
The Division sent response by letter on:

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:                      n/a

**COMMENTS:**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76281
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: n/a
PHONE NUMBER: (303) 350-5114		8. WELL NAME and NUMBER: Rock House 10-23-12-30
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1,859' FNL - 703' FWL		9. API NUMBER: 4304736547
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 30 10S 23E S		10. FIELD AND POOL, OR WILDCAT: Wildcat
COUNTY: Uintah		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 3/15/2006	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: Request for APD Extension
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Enduring Resources, LLC respectfully request an extension to the expiration date of this Application for Permit to Drill ....

FROM: 4-13-2006  
TO: 4-13-2007

Approved by the  
Utah Division of  
Oil, Gas and Mining

A well name changed...

FROM: Rock House 5-30-10-23  
TO: Rock House 10-23-12-30

Date: 05-09-06  
By: [Signature]

Please note: This APD is being re-filed with the BLM as a directional well under the name of Rock House 10-23-12-30 (when directional drilling plan completed).

NAME (PLEASE PRINT) Alvin R. (Al) Arlian	TITLE Landman - Regulatory Specialist
SIGNATURE [Signature]	DATE 3/15/2006

(This space for State use only)

RECEIVED

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304736547  
**Well Name:** Rock House 10-23-12-30  
**Location:** 1859' FNL - 703' FWL SWNW Sec 30-10S-23E  
**Company Permit Issued to:** The Houston Exploration Company  
**Date Original Permit Issued:** 4/13/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☐

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒


Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

3/15/2006

Date

Title: Landman - Regulatory Specialist

Representing: Enduring Resources, LLC

RECEIVED

DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒  
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>		5. MINERAL LEASE NO: <b>UTU-76281</b>	6. SURFACE: <b>Fee</b>
1A. TYPE OF WORK: <b>DRILL</b> <input checked="" type="checkbox"/> <b>REENTER</b> <input type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: <b>OIL</b> <input type="checkbox"/> <b>GAS</b> <input checked="" type="checkbox"/> <b>OTHER</b> _____ <b>SINGLE ZONE</b> <input type="checkbox"/> <b>MULTIPLE ZONE</b> <input checked="" type="checkbox"/>		8. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: <b>Enduring Resources, LLC</b>		9. WELL NAME and NUMBER: <b>Rock House 10-23-12-30</b>	
3. ADDRESS OF OPERATOR: <b>475 17th St., Ste 1500    CITY    Denver    STATE    CO    ZIP    80220</b>		10. FIELD AND POOL, OR WILDCAT: <b>Undesignated</b>	
4. LOCATION OF WELL (FOOTAGES) <b>AT SURFACE:    884' FNL-1858' FWL NENW</b> <b>AT PROPOSED PRODUCING ZONE:    1980' FNL-660' FWL SWNW</b>		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWNW 30    10S    23E    S</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: <b>80.3 miles Southeast from Vernal, Utah</b>		12. COUNTY: <b>Uintah</b>	13. STATE: <b>UTAH</b>
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) <b>Surf 884'    BHL 660'</b>	16. NUMBER OF ACRES IN LEASE: <b>640 acres</b>	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: <b>40 acres</b>	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) <b>1000' + BHL (25' Surf)</b>	19. PROPOSED DEPTH: <b>8,420</b>	20. BOND DESCRIPTION: <b>RLB0008031</b>	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): <b>5550'    KB-RT</b>	22. APPROXIMATE DATE WORK WILL START: <b>7/1/2006</b>	23. ESTIMATED DURATION: <b>20 days</b>	

24. PROPOSED CASING AND CEMENTING PROGRAM							
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
20"	14"	line pipe		40	3 yards	Ready Mix	
11"	8-5/8"	J-55	24#	2,000	Premium Lead	138 sxs	3.50    11.1
					Premium Tail	138 sxs	1.15    15.8
7-7/8"	4-1/2"	N-80	11.6#	8,420	Class G	154 sxs	3.3    11.0
					50/50 Poz Class G	903 sxs	1.56    14.3

25. ATTACHMENTS	
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:	
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Alvin R. (Al) Arlian    TITLE Landman - Regulatory Specialist

SIGNATURE     DATE 5/2/2006

(This space for State use only)

API NUMBER ASSIGNED: 13-047-36547

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: APR 30 2006

By: 

(See Instructions on Reverse Side)

**RECEIVED  
MAY 11 2006**

DIV. OF OIL, GAS & MINING





## Al Arlian

**From:** Al Arlian [aarlian@enduringresources.com]  
**Sent:** Thursday, April 27, 2006 6:49 PM  
**To:** 'Wallace, Scott'  
**Cc:** 'Diana Whitney'  
**Subject:** RE: RE: Rock House 5-30-10-23 (new name will be Rock House10-23-12-30) BHL

Scott, can you make this the first directional drilling plan you do next week? The state have been waiting for me to grant an extension of the old apd as a vertical well.

I'll follow herewith with the survey and geo prog.

Thanks Al

*DIANA,  
THIS IS NOW A FEDERAL  
WELL FROM A FEE SURFACE,  
AL*

*Must  
Position?*

-----Original Message-----

**From:** Diana Whitney [mailto:dianawhitney@utah.gov]  
**Sent:** Thursday, April 27, 2006 4:24 PM  
**To:** Al Arlian  
**Subject:** Fwd: RE: Rock House 5-30-10-23 (new name will be Rock House10-23-12-30) BHL

Al,

Do you have this information yet? Im still holding on to the 1 year APD extension because it say's at the bottom Enduring is changing to directional and it's not a directional well.

>>> Diana Whitney 3/21/2006 1:10 PM >>>

Are you going to send in the new information to DOGM? As of now it is still a vertical well.

>>> "Al Arlian" <aarlian@enduringresources.com> 3/21/2006 1:06 PM >>>  
Yes, it will be.

Thanks Al

-----Original Message-----

**From:** Diana Whitney [mailto:dianawhitney@utah.gov]  
**Sent:** Tuesday, March 21, 2006 10:22 AM  
**To:** aarlian@enduringresources.com  
**Subject:** Rock House 5-30-10-23

Hi Al,

Is this well going to be a directional now?

RECEIVED

MAY 11 2006

DIV. OF OIL, GAS & MINING

**ENDURING RESOURCES, LLC**

425 Seventeenth Street, Suite 1500

Denver, Colorado 80202

Telephone: 303-573-1222

Facsimile: 303-573-0461

May 3, 2006

State of Utah  
Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801  
Attention: Ms. Diana Whitney

**RE: Exception Locations – Directional Drilled Wells**  
Uintah County, Utah – FEE Surface Pad

Dear Ms. Whitney:

Enduring Resources, LLC respectfully requests a spacing exception for the following wells. Five wells will be drilled from this well pad. Surface locations will be 25', more or less apart. BHL's for each well will be in its own "assigned" 40-acre, 200' drilling window. No BHL's will be within 960' of each other. All of the wells, except one vertical well on this pad are being drilled directional to limit surface impact.

<u>WELL NAME&amp; NUMBER</u>	<u>WELL LOCATIONS</u>
a. Rock House 10-23-31-30 BHL-FEE	SURF 810' FNL-1870' FWL NENW Sec 30-10S-23E BHL 660' FNL- 1980' FEL NWNE Sec 31-10S-23E
b. Rock House 10-23-21-30 BHL-FEE	SURF 835' FNL-1866' FWL NENW Sec 30-10S-23E BHL SAME-VERTICAL
c. Rock House 10-23-11-30 BHL-UTU-76281	SURF 869' FNL- 1862' FWLNENW Sec 30-10S-23E BHL 660' FNL-660' FWL NWNW Sec 30-10S-23E
d. Rock House 10-23-12-30 BHL-UTU-76281	SURF 884' FNL-1858' FWL NENW Sec 30-10S-23E BHL 1980' FNL-660' FWL SWNW Sec 30-10S-23E
e. Rock House 10-23-22-30 BHL-UTU-81737	SURF 909' FNL-1854' FWL NENW Sec 30-10S-23E BHL 1980' FNL-1980' FWL SENW Sec 30-10S-23E

Enduring Resources, LLC is the only lease owner within a 460' radius of any point of any of the well bores, the surface locations, and the four BHL's, to be drilled from this pad.

Therefore, Enduring Resources, LLC hereby grants itself permission to directionally drill the wells and the four exception well locations.

Very truly yours

**ENDURING RESOURCES, LLC**



Alvin R. (Al) Arlian  
Landman – Regulatory Specialist

ara/

**RECEIVED**

**MAY 11 2006**

**DIV. OF OIL, GAS & MINING**

***ENDURING RESOURCES, LLC***

425 Seventeenth Street, Suite 1500

Denver, Colorado 80202

Telephone: 303-573-1222

Facsimile: 303-573-0461

May 2, 2006

State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt lake City, Utah 84114-5801

Attention: Diana Whitney

**RE: Rock House 10-23-12-30 API: 43-047-36547**  
**FEE 884' FNL-1858' FWL NENW Sec 30-10S-23E**  
**BHL-UTU-76281 1980' FNL-660' FWL SWNW Sec 30-10S-23E**  
Uintah County, Utah

Dear Ms. Whitney

This well's surface location has been moved to a multi-five-well pad. It was originally permitted as a vertical well. Attached is one original **amended** application to drill for the above-referenced proposed well.

This is a federal well drilled from fee lands. Attached is a copy of the form of surface use agreement between American Gilsonite and Enduring.

Enduring Resources, LLC respectfully requests that this information, and future information, be held confidential.

Should you have any questions concerning this matter, please do not hesitate to call (303-350-5114)

Very truly yours

**ENDURING RESOURCES, LLC**



Alvin R. (Al) Arlian  
Landman – Regulatory Specialist

ara/

**RECEIVED**

**MAY 11 2006**

DIV. OF OIL, GAS & MINING

## **SELF-CERTIFICATION STATEMENT**

The following self-certification statement is provided per federal requirements dated June 15, 1988.

Please be advised that Enduring Resources, LLC is considered to be the operator of the following well (and the two additional "Federal" wells to be drilled from this same pad and federal lease).

### **Rock House 10-23-12-30 Well**

FEE	SURF 884' FNL-1858' FWL NENW	Sec 30-10S-23E
BHL-UTU-76281	BHL 1980' FNL-660' FWL SWNW	Sec 30-10S-23E

Enduring Resources, LLC is responsible under the terms and conditions of the lease for the operations conducted upon leased lands. Bond coverage is provided by UTB000173.

  
\_\_\_\_\_  
Alvin R. Arlian  
Regulatory Specialist  
Enduring Resources, LLC  
475 17th Street, Suite 1500  
Denver, CO 80202  
(303) 350-5114

\_\_\_\_\_  
May 2, 2006

## **ENDURING RESOURCES**

**Rock House 10-23-21-30, Rock House 10-23-31-30, Rock House 10-23-11-30, Rock 10-23-22-30, and Rock House 10-23-12-30**

**Section 30, T10S, R23E, S.L.B.&M. (This will be a five-well pad.)**

FROM THE INTERSECTION OF U.S. HIGHWAY 40 AND 500 EAST STREET IN VERNAL, UTAH PROCEED IN AN EASTERLY THEN SOUTHERLY DIRECTION ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.3 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 45 APPROXIMATELY 40.5 MILES TO THE JUNCTION OF THE DRAGON ROAD (COUNTY B ROAD 4180). THIS ROAD IS LOCATED APPROXIMATELY 4.8 MILES SOUTH OF BONANZA, UTAH. EXIT LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION ALONG COUNTY B ROAD 4180 APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THE KINGS WELLS ROAD (COUNTY B ROAD 4190). EXIT RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION ALONG COUNTY B ROAD 4190 APPROXIMATELY 8.7 MILES TO THE JUNCTION OF THE ATCHEE RIDGE ROAD (COUNTY B ROAD 4270). CONTINUE ALONG COUNTY B ROAD 4190 IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 4.3 MILES TO THE JUNCTION OF THE LONG DRAW ROAD (COUNTY B ROAD 4260). CONTINUE ALONG COUNTY B ROAD 4190 IN A SOUTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 4.0 MILES TO THE JUNCTION OF COUNTY B ROAD 4160. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4160 APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THE BITTER CREEK ROAD (COUNTY B ROAD 4120). EXIT LEFT AND PROCEED IN A WESTERLY DIRECTION ALONG COUNTY B ROAD 4120 APPROXIMATELY 1.9 MILES TO THE JUNCTION OF COUNTY B ROAD 4230. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4230 APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THE ATCHEES WASH ROAD (COUNTY B ROAD 4240). EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4240 APPROXIMATELY 2.7 MILES TO A CLASS D COUNTY ROAD. EXIT LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE SADDLETREE DRAW ROAD (COUNTY B ROAD 4230); EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4230 APPROXIMATELY 2.1 MILES TO A CLASS D COUNTY ROAD; EXIT LEFT AND PROCEED IN AN SOUTHWESTERLY DIRECTION ALONG THE COUNTY D ROAD APPROXIMATELY 1.7 MILES TO A SECOND CLASS D COUNTY ROAD. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG THE SECOND CLASS D ROAD APPROXIMATELY 2.0 MILES TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 80.3 MILES IN A SOUTHEASTERLY DIRECTION.

# Enduring Resources, LLC

## Rock House 10-23-12-30

SW-NW 30-10S-23E (Bottom Hole Location)

NE-NW 30-10S-23E (Surface Location)

Uintah County, Utah

Federal Lease: UTU-76281

## ONSHORE ORDER 1 - DRILLING PLAN

### 1. Estimated Tops of Geological Markers:

Formation	Depth (K.B.)
Uinta	Surface
Green River	1125'
Wasatch	3875'
Mesaverde	5920'

### 2. Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals:

Substance	Formation	Depth (K.B.) TVD
	KB-Uinta Elevation: 5550' est.	
Oil / Gas	Green River	1125'
Oil /Gas	Wasatch	3875'
Oil /Gas	Mesaverde	5920'
	TD	8420'

An 11" hole will be drilled to approximately 2000 feet. The depth will be determined by the depth that the Birds Nest zone is encountered. The hole will be drilled 400 feet beyond the top of the Birds Nest zone and surface casing will be set.

### 3. Pressure Control Equipment: (3000 psi schematic attached)

- A. Type: Eleven (11) inch double gate hydraulic BOP with eleven (11) inch annular preventer on 3,000 psi casinghead, with 3,000 psi choke manifold equipped per the attached diagram. BOPE as specified in *Onshore Oil & Gas Order Number 2*. A PVT, stroke counter and flow sensor will be installed to check for flow and monitor pit volume.
- B. Pressure Rating: 3,000 psi BOPE
- C. Kelly will be equipped with upper and lower Kelly valves.
- D. Testing Procedure: Annular Preventer

At a minimum, the annular preventer will be pressure tested to 50% of the stack rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the annular preventer will be functionally operated at least weekly.

#### Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

#### E. Miscellaneous Information:

The blowout preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*.

#### 4. Proposed Casing & Cementing Program:

##### A. Casing Program: All New

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Depth Set (MD)
20"	14" O.D.				40' (GL)
11"	8-5/8"	24#	J-55	ST&C	0 – 2016' (KB) est.
7-7/8"	4-1/2"	11.6#	N-80	LT&C	0 – 8420' (KB)

The surface casing will have guide shoe, 1 joint, insert float collar. Centralize the shoe joint with bowspring centralizers in the middle and top of the joint and the next 16 joints with bowspring centralizers on every other collar (8 centralizers total). Thread lock guide shoe.

Casing string(s) will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

#### B. Casing Design Parameters:

Depth (MD)	Casing	Collapse(psi)/SF	Burst (psi)/SF	Tension(mlbs)/SF
40' (GL)	14" OD			
2016' (KB)	8-5/8", 24#/ft, J55, STC	1370/1.52(a)	2950/3.28(b)	244/5.81(c)
8420' (KB)	4-1/2", 11.6#/ft, N-80, LTC	6350/1.45 (d)	7780/1.93 (e)	223/2.66 (f)

- (a.) based on full evacuation of pipe with 8.6 ppg fluid on annulus
- (b.) based on 8.6 ppg gradient with no fluid on annulus
- (c.) based on casing string weight in 8.6 ppg mud
- (d.) based on full evacuation of pipe with 10.0 ppg fluid on annulus
- (e.) based on 9.2 ppg gradient, gas to surface, with no fluid on annulus, no gas gradient
- (f.) based on casing string weight in 9.2 ppg mud

### PROPOSED CEMENTING PROGRAM

#### Surface Casing (if well will circulate)-Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft <sup>3</sup> /sx)
8-5/8"	Lead	1516	Premium cement + 16% gel + 0.25 pps celloflake	138	25%	11.1	3.50
8-5/8"	Tail	500	Premium cement + 2% CaCl <sub>2</sub> + 0.25 pps celloflake	138	25%	15.8	1.15

A cement top job is required if cement fallback is greater than 10' below ground level. Top job (weight 15.8 ppg, yield 1.15 ft<sup>3</sup>/sx) cement will be premium cement w/ 3% CaCl<sub>2</sub> + 0.25 pps celloflake. Volume as required

#### Surface Casing (if well will not circulate) - Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft <sup>3</sup> /sx)
8-5/8"	Lead	500	Premium cement + 2% CaCl <sub>2</sub> + 0.25 pps celloflake	138	25	15.8	1.15
8-5/8"	Top job	As req.	Premium cement + 3% CaCl <sub>2</sub> + 0.25 pps celloflake	As Req.		15.8	1.15



**Production Casing and Liner** - Cemented TD to 300' above base of surface casing

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft <sup>3</sup> /sx)
4-1/2"	Lead	1759	Class "G" + 5% NaCl + 12% Gel + 0.25 pps celloflake + 0.2% antifoam + 0.25% fluid loss + 1% extender	154	25	11.0	3.3
4-1/2"	Tail	4945	50/50 POZ Class G + 2% gel + 1% CaCl <sub>2</sub> + 0.2% dispersant + 0.2% fluid loss + 0.1% antifoam	903	25	14.3	1.56

Cement volumes for the 4-1/2" Production Casing will be calculated to provide a top of cement to 300' above base of surface casing. Cement volumes are approximate and were calculated under the assumption that a gauge hole will be achieved. Actual cement volumes may vary due to variations in the actual hole size and will be determined by running a caliper log on the drilled hole. Actual cement types may vary due to hole conditions and cement contractor used.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

**5. Drilling Fluids (mud) Program:**

Interval (MD)	Mud Weight	Fluid Loss	Viscosity	Mud Type
0' – 2016' (KB)		No cntrl		Air/mist
2000'-3000' (KB)	8.4-8.6	No cntrl	28-36	Water
3000'-8420' (KB)	8.8-9.8	8 - 10 ml	32-42	Water/Gel

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations.

**6. Evaluation Program:**

Tests: No tests are currently planned.

Coring: No cores are currently planned.

Samples: No sampling is currently planned.

Logging

- Dual Induction – SFL /Gamma Ray/Caliper/SP/TDLT/CNL/ML  
TD to Base Surface Casing
- Cement Bond Log / Gamma Ray:  
TD to Base of Surface Casing or Top of Cement if below Base of Surface Casing

Stimulation: A stimulation or frac treatment will be designed for completion of this well based on openhole log analysis. The drill site, as approved, will be sufficient size to accommodate all completion activities.

7. **Abnormal Conditions:**

No abnormal temperatures or pressures are anticipated. No H<sub>2</sub>S has been encountered or known to exist from previous wells drilled to similar depths in the general area.

Maximum anticipated bottom hole pressure equals approximately 4,378 psi (calculated at 0.52 psi/foot of hole) and maximum anticipated surface pressure equals approximately 2,526 psi (anticipated bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot of hole).

8. **Anticipated Starting Dates:**

- Anticipated Commencement Date- Within one year of APD issue.
- Drilling Days- Approximately 10 days
- Completion Days - Approximately 10 days
- Anticipate location construction within 30 days of permit issue.

9. **Variances:**

None anticipated

10. **Other:**

A Cultural Resource Inventory and Paleontology reconnaissance shall be conducted for the well location, access route and pipeline. The reports shall be submitted to the Division of Oil, Gas and Mining and the School and Institutional Trust lands Administration upon their receipt.

A measurement while drilling (MWD) system will be used to track and control the directional path of the wellbore.

# **Enduring Resources, LLC**

## **Rock House 10-23-12-30**

SW-NW 30-10S-23E (Bottom Hole Location)

NE-NW 30-10S-23E (Surface Location)

Uintah County, Utah

Federal Lease: UTU-76281

## **MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**(This will be a five-well pad.)**

### **1. Existing Roads:**

**Directions to the SURFACE LOCATION of the Rock House 10-23-21-30, Rock House 10-23-31-30, Rock House 10-23-11-30, Rock 10-23-22-30, & Rock House 10-23-12-30**

FROM THE INTERSECTION OF U.S. HIGHWAY 40 AND 500 EAST STREET IN VERNAL, UTAH PROCEED IN AN EASTERLY THEN SOUTHERLY DIRECTION ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.3 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 45 APPROXIMATELY 40.5 MILES TO THE JUNCTION OF THE DRAGON ROAD (COUNTY B ROAD 4180). THIS ROAD IS LOCATED APPROXIMATELY 4.8 MILES SOUTH OF BONANZA, UTAH. EXIT LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION ALONG COUNTY B ROAD 4180 APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THE KINGS WELLS ROAD (COUNTY B ROAD 4190). EXIT RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION ALONG COUNTY B ROAD 4190 APPROXIMATELY 8.7 MILES TO THE JUNCTION OF THE ATCHEE RIDGE ROAD (COUNTY B ROAD 4270). CONTINUE ALONG COUNTY B ROAD 4190 IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 4.3 MILES TO THE JUNCTION OF THE LONG DRAW ROAD (COUNTY B ROAD 4260). CONTINUE ALONG COUNTY B ROAD 4190 IN A SOUTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 4.0 MILES TO THE JUNCTION OF COUNTY B ROAD 4160. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4160 APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THE BITTER CREEK ROAD (COUNTY B ROAD 4120). EXIT LEFT AND PROCEED IN A WESTERLY DIRECTION ALONG COUNTY B ROAD 4120 APPROXIMATELY 1.9 MILES TO THE JUNCTION OF COUNTY B ROAD 4230. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4230 APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THE ATCHEES WASH ROAD (COUNTY B ROAD 4240). EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4240 APPROXIMATELY 2.7 MILES TO A CLASS D COUNTY ROAD. EXIT LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE SADDLETREE DRAW ROAD (COUNTY B ROAD 4230); EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4230 APPROXIMATELY 2.1 MILES TO A CLASS D COUNTY ROAD; EXIT LEFT AND

PROCEED IN AN SOUTHWESTERLY DIRECTION ALONG THE COUNTY D ROAD APPROXIMATELY 1.7 MILES TO A SECOND CLASS D COUNTY ROAD. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG THE SECOND CLASS D ROAD APPROXIMATELY 2.0 MILES TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 80.3 MILES IN A SOUTHEASTERLY DIRECTION.

## 2. Planned Access Roads:

If this is the first well pad in Sections 30 and Section 31, the proposed access road will be approximately 12,195' feet of new construction, being as follows:

Segment	LEASE	Owner	Surface	Length
1	UTU-76281	BLM	ON-LEASE	470'
2	UTU-81737	BLM	OFF-LEASE	3210'
3	UTU-76281	BLM	ON-LEASE	280'
4	UTU-81737	BLM	OFF-LEASE	1125'
5	UTU-76281	BLM	ON-LEASE	1890'
6	UTU-81737	BLM	OFF-LEASE	4975'
7	FEE	FEE	OFF-LEASE	245'
BHL	UTU-81737	BLM	N/A	N/A

The proposed access road will be utilized to transport personnel, equipment and supplies to and from the proposed well site during drilling, completion and production operations. The road will be utilized year round.

The access road will be crowned 2% to 3%, ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet right-of-way. Maximum grade of road is 5% or less. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. No fence crossings, culverts, turnouts, cattle guards or major cuts and fills are required. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during

operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches and the turnouts kept clear so that snowmelt will be channeled away from the road.

3. **Location of Existing Wells within a One-Mile radius (See "Topo" Map "C" attached):**

The following wells are wells located within a one (1) mile or greater radius of the proposed location.

- a. None: Water Wells:
  - b. None: Injection Wells:
  - c. None: Producing Wells:
  - d. None: Drilling Wells:
  - e. None: Shut-in Wells:
  - f. None: Temporarily Abandoned Wells:
  - g. None: Disposal Wells:
  - h. None: Abandoned Wells:
  - i. None: Dry Holes:
  - j. None: Observation Wells:
  - k. Various: Pending (staked) Wells:
- Enduring has over 12 wells staked w/ one mile of this well's BHL.

4. **Location of Existing and/or Proposed Facilities:**

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank and be independent of the back cut.

All permanent (on site for six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the rocky Mountain Five State Inter-Agency Committee

All facilities will be painted within 6 months of installation. The color shall be Dark Olive Black. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Gas Gathering Pipeline for each well drilled on with pad will be:

The proposed 4" surface pipeline will begin at the well site; and shall be laid on the surface next to the new access road (southerly), and then the tie-in point shall be into the Rock House 11-31 pipeline at a point in the SE/4SW/4 of Section 30. See plats.

Segment	LEASE	Owner	Surface	Length
1	UTU-76281	BLM	ON-LEASE	490'
2	UTU-81737	BLM	OFF-LEASE	4600'
3	UTU-76281	BLM	ON-LEASE	1,930'
4	UTU-81737	BLM	OFF-LEASE	4935'
5	FEE	FEE	OFF-LEASE	240'
BHL	UTU-81737	BLM	N/A	N/A

The meter run will be housed. The gas gathering line will be buried or anchored down from the wellhead to the meter.

Upon plugging and abandonment, the gas gathering line will be removed and the disturbed area will be re-contoured and restored as near as practical to the original condition. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

##### 5. **Location and Type of Water Supply:**

Whenever practical, water will be obtained from Enduring Resources LLC Water Right Number 49-2215 or Water Right Number 49-2216 (\*See Townships of permitted Use below). If those sources are not available, a new water source shall be submitted prior to commencing operations. (These permits have one-year terms and then must be renewed)

\*Enduring Water Permits' Townships of Use:

T10S-R22E	T11S-R22E	T12S-R22E
T10S-R23E	T11S-R23E	T12S-R23E
T10S-R24E	T11S-R24E	T12S-R24E

Water will be hauled to the location over the roads marked on "Topo" Maps "A" and "B."

No water well is to be drilled on this lease.

##### 6 **Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized for location and access road construction.

Any gravel will be obtained from a commercial source; however, gravel sized rock debris associated with location and access road construction may be used as access road surfacing material.

**7. Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break or allow discharge of liquids.

The reserve pit will be lined with ¼ felt and a minimum of 16 mm plastic with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the will be disposed of in the pit.

A chemical portable toilet will be furnished with the drilling rig. The toilet will be replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

Garbage, trash and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well.

Produced oil will be stored in an oil tank and then hauled by truck to a crude purchaser facility. Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to an approved disposal site.

**8. Ancillary Facilities:**

During drilling operations, approximately 20 days, the site will be a manned camp. Three or four additional trailers will be on location to serve as the crews' housing and eating facilities. These will be located on the perimeter of the pad site within the topsoil stockpiles. Refer to Sheet 4.

**9. Well Site Layout: (Refer to Sheets #2, #3, and #4)**

The attached Location Layout Diagrams described drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpiles(s).

Please see the attached diagram for rig orientation and access roads.

The top soil will be windrowed rather than piled. It will be reseeded and track walker at the time the location is constructed. Seeding will be with the determined during the onsite. (Refer to "Seed Mixture for Windrowed Top Soil Will included:" following herein.

The top soil removed from the pit area will be store separately and will not be reseeded until the pit is reclaimed.

All pits shall be fence to the following minimum standards:

- a. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- b. The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches over the new wire. Total height of the fence shall be at least 42 inches.
- c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- d. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two fence posts shall be no greater than 16 feet.
- e. All wire shall be stretched by, using a stretching device, before it is attached to corner posts.
- f. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.
- g. Location size may change prior to drilling the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling, the location will be re-surveyed and a Form 9 will be submitted.



**10. Plans for Surface Reclamation:****Producing Location:**

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, materials, trash and debris not required for production, ***or the drilling of additional wells from this same pad.***
- b. Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 40CFR 3162.7, ***unless that pit is being used for the drilling of additional wells from this same pad.***
- c. Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.
- d. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximated natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.
- e. To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface 3 feet above surrounding round surface to allow the reclaimed pit area to drain effectively.
- f. Upon completion of back filling, leveling and re-contouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

**Dry Hole/Abandoned Location:**

- i. Abandoned well sites, roads and other disturbed areas will be restored as nearly as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions and re-establishment of vegetation as specified.
- ii. All disturbed surfaces will be re-contoured to the approximated natural contours with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

**Seed Mixture for Windrowed Top Soil Will Included:**

1. Indian Rice Grass 4#'s per acre,
2. Crested Wheat Grass 4#'s per acre,
3. Needle and Thread 4#'s per acre, or
4. As requested by the BLM.

**11. Surface Ownership: Location, Access and Pipeline Route:**

Wellsite: FEE  
BHL: Bureau of Land Management  
Access: FEE and Bureau of Land Management  
Pipeline: FEE and Bureau of Land management

**12. Other Information****On-site Inspection for Location, Access and Pipeline Route:**

The on-site was conducted February 9, 2006.

**Special Conditions of Approval:**

- Tanks and Production Equipment shall be painted Dark Olive Black.
- Surface Gathering Pipeline shall be 4" or less.

**Archeology:**

- a. A Cultural Resource Inventory Report is pending and to be prepared by Montgomery Archaeological Consultants.

**Paleontology:**

- a. A Paleontology Reconnaissance Report is pending and to be prepared by Intermountain Paleo-Consulting.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites will be suspended and the discovery reported promptly to the surface management agency.

**13, Lessee's or Operator's Representatives:****Representatives:**

Alvin R. (Al) Arlian  
Landman – Regulatory Specialist  
Enduring Resources, LLC  
475 17<sup>th</sup> Street, Suite 1500  
Denver, Colorado 80202  
Office Tel: 303-350-5114  
Fax Tel: 303-573-0461  
Cell: 303-880-3841  
[aarlian@enduringresources.com](mailto:aarlian@enduringresources.com)

Teme Singleton  
Drilling Engineer  
Enduring Resources, LLC  
475 17<sup>th</sup> Street, Suite 1500  
Denver, Colorado 80202  
Office Tel: 303-573-5102  
Fax Tel: 303-573-0461  
Cell: 985-502-5070  
[tsingleton@enduringresources.com](mailto:tsingleton@enduringresources.com)

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his/her/its subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her/its contractor shall contact the BLM office at (435) 781-4400 forty-eight (48) hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

**Certification:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route, that I am familiar with the conditions which presently exist, that the statements made in this plan are, to the best of my knowledge and belief, true and correct, and that the work associated with the operation proposed herein will be preformed by Enduring Resources, LLC and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

Please be advised that Enduring Resources, LLC is considered to be the operator of the Rock House 10-23-12-30 Well; SW/4NW/4 (BHL) Section 30, Township 10 South, Range 23 East; Lease #: 76281, Uintah County, Utah; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by BLM Statewide Oil & Gas Lease Bond No. UTB000173 and State of Utah Division of Oil, Gas & Mining Surety Bond No. RLB0008031

**ENDURING RESOURCES, LLC**

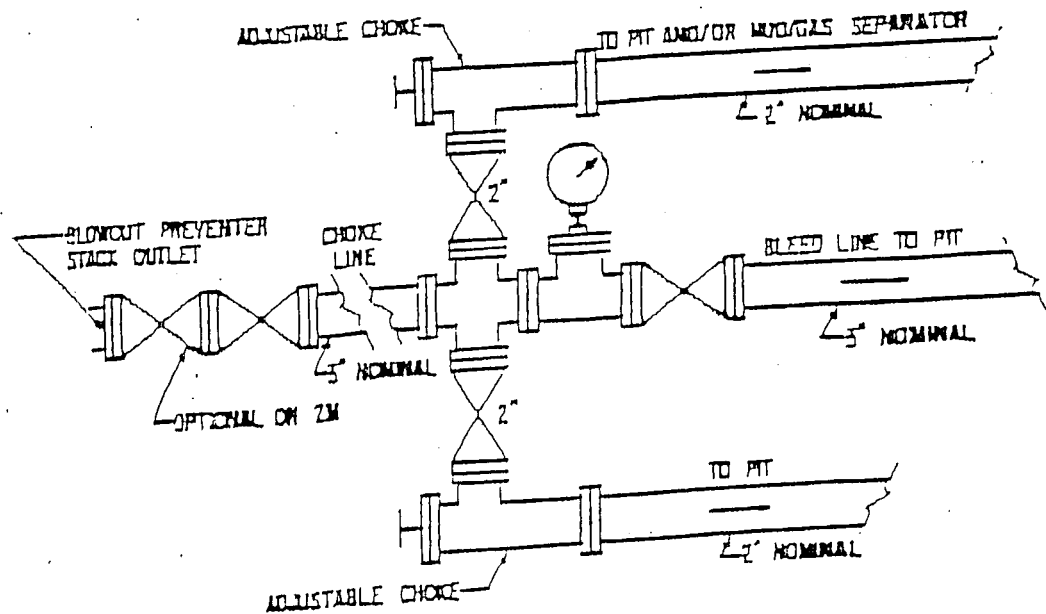
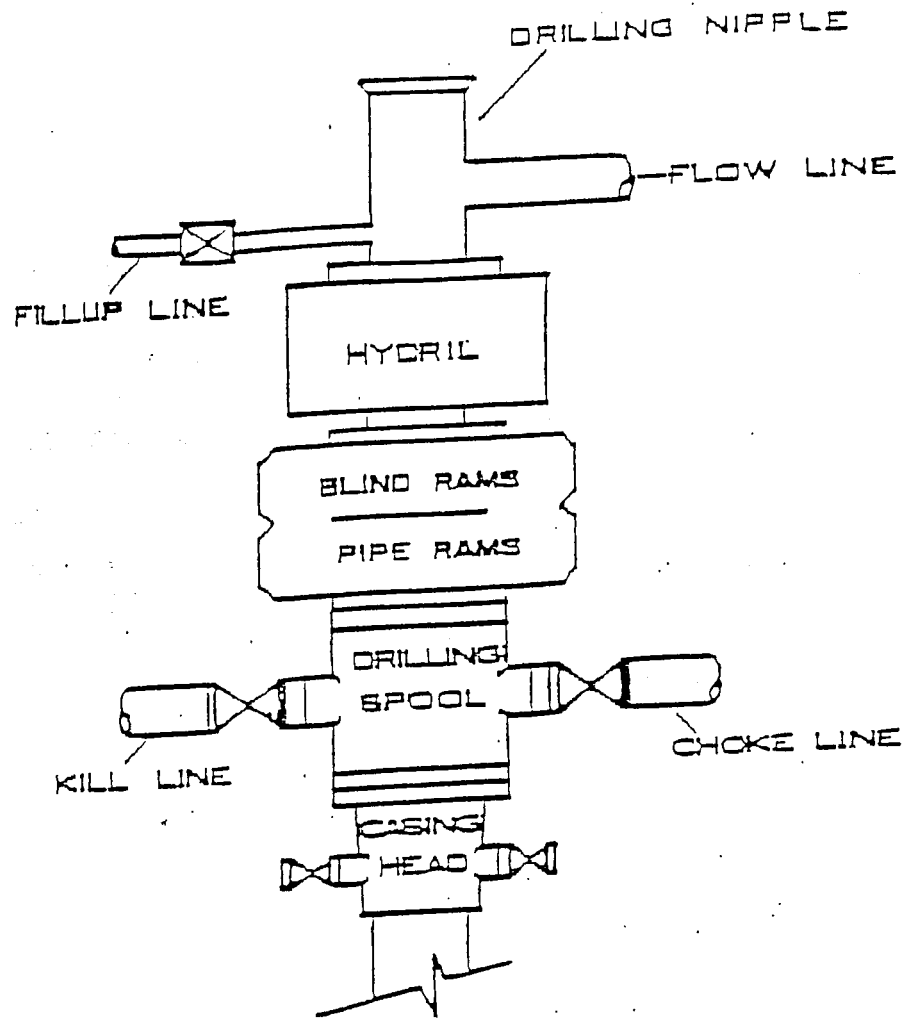


Alvin R. (Al) Arlian,  
Landman – Regulatory Specialist

May 2, 2006

3,000 PSI

# BOP STACK





**ENDURING RESOURCES**  
**Rock House 10-23-12-30**  
**NE/NW, Sec. 30, T10S, R23E**  
**Uintah County, Utah**



**SECTION DETAILS**

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	227.56	0.00	0.00	0.00	0.00	0.00	0.00	
2	2072.00	0.00	227.56	2072.00	0.00	0.00	0.00	0.00	0.00	KOP
3	2771.88	28.00	227.56	2744.36	-113.11	-123.69	4.00	227.56	167.61	End Build
4	5406.29	28.00	227.56	5070.51	-947.58	-1036.28	0.00	0.00	1404.20	Start Drop
5	6339.47	0.00	227.56	5967.00	-1098.39	-1201.20	3.00	180.00	1627.68	End Drop
6	8792.47	0.00	227.56	8420.00	-1098.39	-1201.20	0.00	227.56	1627.68	TD

**WELL DETAILS**

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Rock House 10-23-12-30	-74.03	-12.23	7148398.69	2237063.52	39°55'28.838N	109°22'20.267W	N/A

**FIELD DETAILS**

Uintah, Utah  
Utah Central Zone  
U.S.A.

Geodetic System: US State Plane Coordinate System 1983  
Ellipsoid: GRS 1980  
Zone: Utah, Central Zone  
Magnetic Model: igrf2005

System Datum: Mean Sea Level  
Local North: True North

**SITE DETAILS**

NE/NW 30-10S-23E Pad  
Sec. 30, T10S, R23E, Uintah County, Utah  
810 FNL & 1870 FWL

Site Centre Latitude: 39°55'29.570N  
Longitude: 109°22'20.110W

Ground Level: 5533.90  
Positional Uncertainty: 0.00

**TARGET DETAILS**

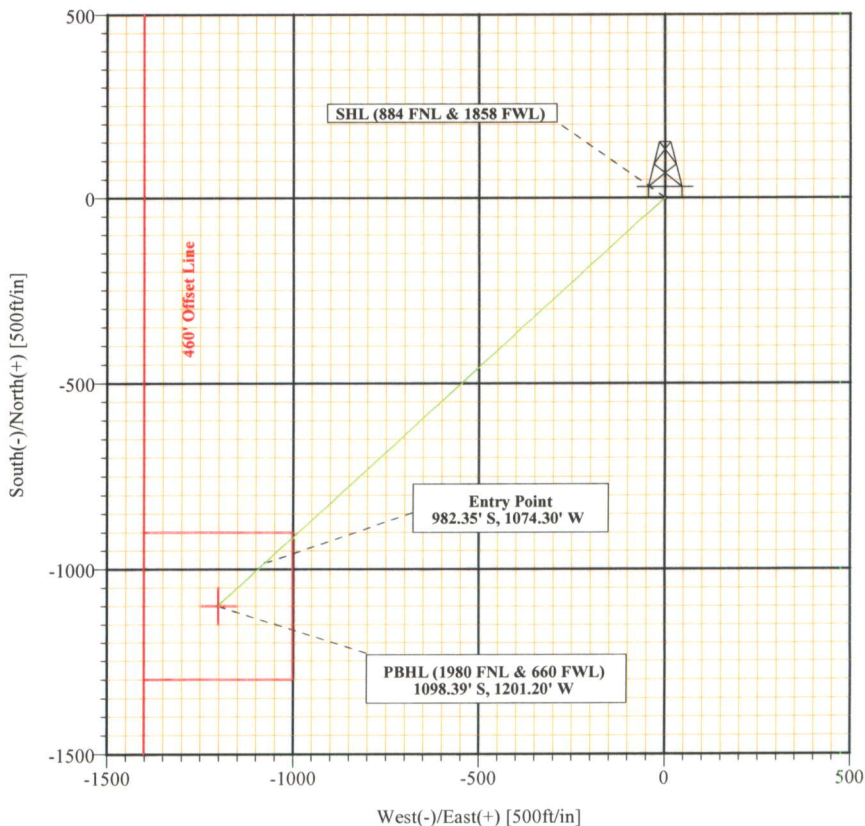
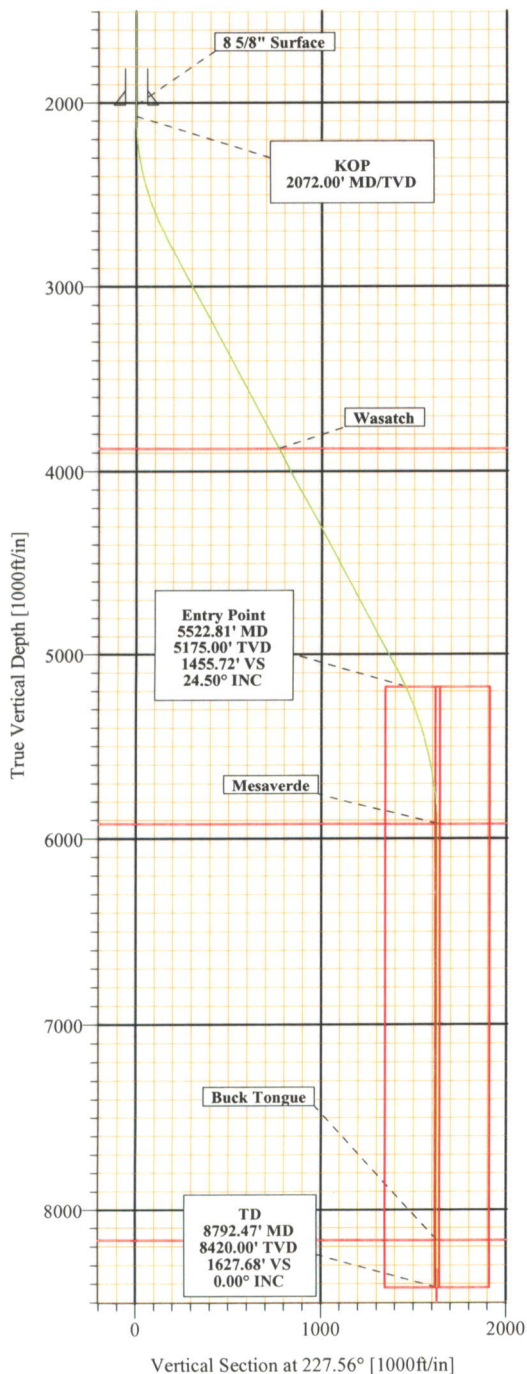
Name	TVD	+N/-S	+E/-W	Shape
10-23-12-30 Target	8420.00	-1098.39	-1201.20	Rectangle (400x400)

**CASING DETAILS**

No.	TVD	MD	Name	Size
1	2012.00	2012.00	8 5/8" Surface	8.625

**FORMATION TOP DETAILS**

No.	TVDPath	MDPath	Formation
1	1125.00	1125.00	Green River
2	3875.00	4052.35	Wasatch
3	5920.00	6292.47	Mesaverde
4	8168.00	8540.47	Buck Tongue



# Weatherford International Planning Report

<b>Company:</b> Enduring Resources	<b>Date:</b> 5/1/2006	<b>Time:</b> 14:17:14	<b>Page:</b> 1
<b>Field:</b> Uintah, Utah	<b>Co-ordinate(NE) Reference:</b> Well: Rock House 10-23-12-30, True North		
<b>Site:</b> NE/NW 30-10S-23E Pad	<b>Vertical (TVD) Reference:</b> SITE 5550.0		
<b>Well:</b> Rock House 10-23-12-30	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,227.56Azi)		
<b>Wellpath:</b> 1	<b>Plan:</b> Plan #1		

<b>Field:</b>	Uintah, Utah Utah Central Zone U.S.A.	<b>Map Zone:</b>	Utah, Central Zone
<b>Map System:</b>	US State Plane Coordinate System 1983	<b>Coordinate System:</b>	Well Centre
<b>Geo Datum:</b>	GRS 1980	<b>Geomagnetic Model:</b>	igrf2005
<b>Svs Datum:</b>	Mean Sea Level		

Site:	NE/NW 30-10S-23E Pad Sec. 30, T10S, R23E, Uintah County, Utah 810 FNL & 1870 FWL				
Site Position:	Geographic	Northing:	7148472.98 ft	Latitude:	39 55 29.570 N
From:		Easting:	2237073.99 ft	Longitude:	109 22 20.110 W
Position Uncertainty:	0.00 ft			North Reference:	True
Ground Level:	5533.90 ft				

Well:	Rock House 10-23-12-30					Slot Name:					
Well Position:	+N/-S	-74.03	ft	Northing:	7148398.69	ft	Latitude:	39	55	28.838	N
	+E/-W	-12.23	ft	Easting :	2237063.52	ft	Longitude:	109	22	20.267	W
Position Uncertainty:		0.00	ft								

<b>Wellpath:</b>	1			<b>Drilled From:</b>	Surface
<b>Current Datum:</b>	SITE		<b>Height</b>	<b>Tie-on Depth:</b>	0.00 ft
<b>Magnetic Data:</b>	5/1/2006		5550.00 ft	<b>Above System Datum:</b>	Mean Sea Level
<b>Field Strength:</b>	52873 nT			<b>Declination:</b>	11.66 deg
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>			<b>Mag Dip Angle:</b>	65.97 deg
	ft		+N/-S ft	+E/-W ft	<b>Direction</b> deg
	8420.00		0.00	0.00	227.56

<b>Plan:</b>	Plan #1	<b>Date Composed:</b>	5/1/2006
		<b>Version:</b>	1
<b>Principal:</b>	Yes	<b>Tied-to:</b>	From Surface

### Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	227.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2072.00	0.00	227.56	2072.00	0.00	0.00	0.00	0.00	0.00	0.00	
2771.88	28.00	227.56	2744.36	-113.11	-123.69	4.00	4.00	0.00	227.56	
5406.29	28.00	227.56	5070.51	-947.58	-1036.28	0.00	0.00	0.00	0.00	
6339.47	0.00	227.56	5967.00	-1098.39	-1201.20	3.00	-3.00	0.00	180.00	
8792.47	0.00	227.56	8420.00	-1098.39	-1201.20	0.00	0.00	0.00	227.56	10-23-12-30 Target

### Section 1 : Start Hold

[illegible]

## Section 2 : Start Build 4.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2100.00	1.12	227.56	2100.00	-0.18	-0.20	0.27	4.00	4.00	0.00	0.00
2200.00	5.12	227.56	2199.83	-3.86	-4.22	5.72	4.00	4.00	0.00	0.00
2300.00	9.12	227.56	2299.04	-12.22	-13.36	18.11	4.00	4.00	0.00	0.00
2400.00	13.12	227.56	2397.14	-25.23	-27.59	37.39	4.00	4.00	0.00	0.00
2500.00	17.12	227.56	2493.66	-42.83	-46.84	63.47	4.00	4.00	0.00	0.00
2600.00	21.12	227.56	2588.12	-64.93	-71.01	96.22	4.00	4.00	0.00	0.00
2700.00	25.12	227.56	2680.07	-91.42	-99.98	135.47	4.00	4.00	0.00	0.00
2771.88	28.00	227.56	2744.36	-113.11	-123.69	167.61	4.00	4.00	0.00	0.00



# Weatherford International

## Planning Report

<b>Company:</b> Enduring Resources <b>Field:</b> Uintah, Utah <b>Site:</b> NE/NW 30-10S-23E Pad <b>Well:</b> Rock House 10-23-12-30 <b>Wellpath:</b> 1	<b>Date:</b> 5/1/2006 <b>Co-ordinate(NE) Reference:</b> Well: Rock House 10-23-12-30, True North <b>Vertical (TVD) Reference:</b> SITE 5550.0 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,227.56Azi) <b>Plan:</b> Plan #1
--	--

**Page:** 2

### Section 3 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2800.00	28.00	227.56	2769.19	-122.01	-133.43	180.81	0.00	0.00	0.00	0.00
2900.00	28.00	227.56	2857.49	-153.69	-168.07	227.75	0.00	0.00	0.00	0.00
3000.00	28.00	227.56	2945.79	-185.36	-202.72	274.69	0.00	0.00	0.00	0.00
3100.00	28.00	227.56	3034.09	-217.04	-237.36	321.63	0.00	0.00	0.00	0.00
3200.00	28.00	227.56	3122.39	-248.72	-272.00	368.57	0.00	0.00	0.00	0.00
3300.00	28.00	227.56	3210.69	-280.39	-306.64	415.51	0.00	0.00	0.00	0.00
3400.00	28.00	227.56	3298.98	-312.07	-341.28	462.45	0.00	0.00	0.00	0.00
3500.00	28.00	227.56	3387.28	-343.74	-375.92	509.39	0.00	0.00	0.00	0.00
3600.00	28.00	227.56	3475.58	-375.42	-410.56	556.33	0.00	0.00	0.00	0.00
3700.00	28.00	227.56	3563.88	-407.10	-445.20	603.27	0.00	0.00	0.00	0.00
3800.00	28.00	227.56	3652.18	-438.77	-479.84	650.21	0.00	0.00	0.00	0.00
3900.00	28.00	227.56	3740.48	-470.45	-514.48	697.15	0.00	0.00	0.00	0.00
4000.00	28.00	227.56	3828.78	-502.12	-549.12	744.09	0.00	0.00	0.00	0.00
4052.35	28.00	227.56	3875.00	-518.71	-567.26	768.66	0.00	0.00	0.00	0.00
4100.00	28.00	227.56	3917.07	-533.80	-583.77	791.03	0.00	0.00	0.00	0.00
4200.00	28.00	227.56	4005.37	-565.47	-618.41	837.97	0.00	0.00	0.00	0.00
4300.00	28.00	227.56	4093.67	-597.15	-653.05	884.91	0.00	0.00	0.00	0.00
4400.00	28.00	227.56	4181.97	-628.83	-687.69	931.85	0.00	0.00	0.00	0.00
4500.00	28.00	227.56	4270.27	-660.50	-722.33	978.79	0.00	0.00	0.00	0.00
4600.00	28.00	227.56	4358.57	-692.18	-756.97	1025.73	0.00	0.00	0.00	0.00
4700.00	28.00	227.56	4446.87	-723.85	-791.61	1072.67	0.00	0.00	0.00	0.00
4800.00	28.00	227.56	4535.16	-755.53	-826.25	1119.61	0.00	0.00	0.00	0.00
4900.00	28.00	227.56	4623.46	-787.21	-860.89	1166.55	0.00	0.00	0.00	0.00
5000.00	28.00	227.56	4711.76	-818.88	-895.53	1213.49	0.00	0.00	0.00	0.00
5100.00	28.00	227.56	4800.06	-850.56	-930.18	1260.43	0.00	0.00	0.00	0.00
5200.00	28.00	227.56	4888.36	-882.23	-964.82	1307.37	0.00	0.00	0.00	0.00
5300.00	28.00	227.56	4976.66	-913.91	-999.46	1354.31	0.00	0.00	0.00	0.00
5400.00	28.00	227.56	5064.96	-945.58	-1034.10	1401.25	0.00	0.00	0.00	0.00
5406.29	28.00	227.56	5070.51	-947.58	-1036.28	1404.20	0.00	0.00	0.00	0.00

### Section 4 : Start Drop -3.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5500.00	25.18	227.56	5154.30	-975.88	-1067.23	1446.14	3.00	-3.00	0.00	180.00
5522.81	24.50	227.56	5175.00	-982.35	-1074.30	1455.72	3.00	-3.00	0.00	180.00
5600.00	22.18	227.56	5245.87	-1002.98	-1096.87	1486.30	3.00	-3.00	0.00	-180.00
5700.00	19.18	227.56	5339.41	-1026.82	-1122.93	1521.62	3.00	-3.00	0.00	180.00
5800.00	16.18	227.56	5434.67	-1047.31	-1145.35	1551.99	3.00	-3.00	0.00	180.00
5900.00	13.18	227.56	5531.40	-1064.42	-1164.05	1577.34	3.00	-3.00	0.00	180.00
6000.00	10.18	227.56	5629.31	-1078.08	-1179.00	1597.59	3.00	-3.00	0.00	180.00
6100.00	7.18	227.56	5728.16	-1088.27	-1190.14	1612.69	3.00	-3.00	0.00	180.00
6200.00	4.18	227.56	5827.65	-1094.95	-1197.45	1622.59	3.00	-3.00	0.00	180.00
6292.47	1.41	227.56	5920.00	-1098.00	-1200.78	1627.10	3.00	-3.00	0.00	-180.00
6300.00	1.18	227.56	5927.53	-1098.11	-1200.90	1627.27	3.00	-3.00	0.00	180.00
6339.47	0.00	227.56	5967.00	-1098.39	-1201.20	1627.68	3.00	-3.00	0.00	-180.00

### Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
6400.00	0.00	227.56	6027.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
6500.00	0.00	227.56	6127.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
6600.00	0.00	227.56	6227.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
6700.00	0.00	227.56	6327.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
6800.00	0.00	227.56	6427.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
6900.00	0.00	227.56	6527.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
7000.00	0.00	227.56	6627.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
7100.00	0.00	227.56	6727.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
7200.00	0.00	227.56	6827.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
7300.00	0.00	227.56	6927.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
7400.00	0.00	227.56	7027.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
7500.00	0.00	227.56	7127.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
7600.00	0.00	227.56	7227.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56

# Weatherford International

## Planning Report

**Company:** Enduring Resources  
**Field:** Uintah, Utah  
**Site:** NE/NW 30-10S-23E Pad  
**Well:** Rock House 10-23-12-30  
**Wellpath:** 1

**Date:** 5/1/2006  
**Co-ordinate(NE) Reference:** Well: Rock House 10-23-12-30, True North  
**Vertical (TVD) Reference:** SITE 5550.0  
**Section (VS) Reference:** Well (0.00N,0.00E,227.56Azi)  
**Plan:** Plan #1

**Page:** 3

### Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
7700.00	0.00	227.56	7327.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
7800.00	0.00	227.56	7427.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
7900.00	0.00	227.56	7527.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
8000.00	0.00	227.56	7627.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
8100.00	0.00	227.56	7727.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
8200.00	0.00	227.56	7827.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
8300.00	0.00	227.56	7927.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
8400.00	0.00	227.56	8027.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
8500.00	0.00	227.56	8127.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
8540.47	0.00	227.56	8168.00	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
8600.00	0.00	227.56	8227.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
8700.00	0.00	227.56	8327.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56
8792.47	0.00	227.56	8420.00	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	227.56

### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2000.00	0.00	227.56	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
2012.00	0.00	227.56	2012.00	0.00	0.00	0.00	0.00	0.00	0.00	8 5/8" Surface
2072.00	0.00	227.56	2072.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
2100.00	1.12	227.56	2100.00	-0.18	-0.20	0.27	4.00	4.00	0.00	MWD
2200.00	5.12	227.56	2199.83	-3.86	-4.22	5.72	4.00	4.00	0.00	MWD
2300.00	9.12	227.56	2299.04	-12.22	-13.36	18.11	4.00	4.00	0.00	MWD
2400.00	13.12	227.56	2397.14	-25.23	-27.59	37.39	4.00	4.00	0.00	MWD
2500.00	17.12	227.56	2493.66	-42.83	-46.84	63.47	4.00	4.00	0.00	MWD
2600.00	21.12	227.56	2588.12	-64.93	-71.01	96.22	4.00	4.00	0.00	MWD
2700.00	25.12	227.56	2680.07	-91.42	-99.98	135.47	4.00	4.00	0.00	MWD
2771.88	28.00	227.56	2744.36	-113.11	-123.69	167.61	4.00	4.00	0.00	End Build
2800.00	28.00	227.56	2769.19	-122.01	-133.43	180.81	0.00	0.00	0.00	MWD
2900.00	28.00	227.56	2857.49	-153.69	-168.07	227.75	0.00	0.00	0.00	MWD
3000.00	28.00	227.56	2945.79	-185.36	-202.72	274.69	0.00	0.00	0.00	MWD
3100.00	28.00	227.56	3034.09	-217.04	-237.36	321.63	0.00	0.00	0.00	MWD
3200.00	28.00	227.56	3122.39	-248.72	-272.00	368.57	0.00	0.00	0.00	MWD
3300.00	28.00	227.56	3210.69	-280.39	-306.64	415.51	0.00	0.00	0.00	MWD
3400.00	28.00	227.56	3298.98	-312.07	-341.28	462.45	0.00	0.00	0.00	MWD
3500.00	28.00	227.56	3387.28	-343.74	-375.92	509.39	0.00	0.00	0.00	MWD
3600.00	28.00	227.56	3475.58	-375.42	-410.56	556.33	0.00	0.00	0.00	MWD
3700.00	28.00	227.56	3563.88	-407.10	-445.20	603.27	0.00	0.00	0.00	MWD
3800.00	28.00	227.56	3652.18	-438.77	-479.84	650.21	0.00	0.00	0.00	MWD
3900.00	28.00	227.56	3740.48	-470.45	-514.48	697.15	0.00	0.00	0.00	MWD
4000.00	28.00	227.56	3828.78	-502.12	-549.12	744.09	0.00	0.00	0.00	MWD
4052.35	28.00	227.56	3875.00	-518.71	-567.26	768.66	0.00	0.00	0.00	Wasatch
4100.00	28.00	227.56	3917.07	-533.80	-583.77	791.03	0.00	0.00	0.00	MWD
4200.00	28.00	227.56	4005.37	-565.47	-618.41	837.97	0.00	0.00	0.00	MWD
4300.00	28.00	227.56	4093.67	-597.15	-653.05	884.91	0.00	0.00	0.00	MWD
4400.00	28.00	227.56	4181.97	-628.83	-687.69	931.85	0.00	0.00	0.00	MWD
4500.00	28.00	227.56	4270.27	-660.50	-722.33	978.79	0.00	0.00	0.00	MWD
4600.00	28.00	227.56	4358.57	-692.18	-756.97	1025.73	0.00	0.00	0.00	MWD
4700.00	28.00	227.56	4446.87	-723.85	-791.61	1072.67	0.00	0.00	0.00	MWD
4800.00	28.00	227.56	4535.16	-755.53	-826.25	1119.61	0.00	0.00	0.00	MWD
4900.00	28.00	227.56	4623.46	-787.21	-860.89	1166.55	0.00	0.00	0.00	MWD
5000.00	28.00	227.56	4711.76	-818.88	-895.53	1213.49	0.00	0.00	0.00	MWD
5100.00	28.00	227.56	4800.06	-850.56	-930.18	1260.43	0.00	0.00	0.00	MWD
5200.00	28.00	227.56	4888.36	-882.23	-964.82	1307.37	0.00	0.00	0.00	MWD
5300.00	28.00	227.56	4976.66	-913.91	-999.46	1354.31	0.00	0.00	0.00	MWD
5400.00	28.00	227.56	5064.96	-945.58	-1034.10	1401.25	0.00	0.00	0.00	MWD



# Weatherford International Planning Report

**Company:** Enduring Resources  
**Field:** Uintah, Utah  
**Site:** NE/NW 30-10S-23E Pad  
**Well:** Rock House 10-23-12-30  
**Wellpath:** 1

**Date:** 5/1/2006      **Time:** 14:17:14      **Page:**  
**Co-ordinate(NE) Reference:** Well: Rock House 10-23-12-30, True North  
**Vertical (TVD) Reference:** SITE 5550.0  
**Section (VS) Reference:** Well (0.00N,0.00E,227.56Azi)  
**Plan:** Plan #1

Page: 4

## Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
5406.29	28.00	227.56	5070.51	-947.58	-1036.28	1404.20	0.00	0.00	0.00	Start Drop
5500.00	25.18	227.56	5154.30	-975.88	-1067.23	1446.14	3.00	-3.00	0.00	MWD
5522.81	24.50	227.56	5175.00	-982.35	-1074.30	1455.72	3.00	-3.00	0.00	Entry Point
5600.00	22.18	227.56	5245.87	-1002.98	-1096.87	1486.30	3.00	-3.00	0.00	MWD
5700.00	19.18	227.56	5339.41	-1026.82	-1122.93	1521.62	3.00	-3.00	0.00	MWD
5800.00	16.18	227.56	5434.67	-1047.31	-1145.35	1551.99	3.00	-3.00	0.00	MWD
5900.00	13.18	227.56	5531.40	-1064.42	-1164.05	1577.34	3.00	-3.00	0.00	MWD
6000.00	10.18	227.56	5629.31	-1078.08	-1179.00	1597.59	3.00	-3.00	0.00	MWD
6100.00	7.18	227.56	5728.16	-1088.27	-1190.14	1612.69	3.00	-3.00	0.00	MWD
6200.00	4.18	227.56	5827.65	-1094.95	-1197.45	1622.59	3.00	-3.00	0.00	MWD
6292.47	1.41	227.56	5920.00	-1098.00	-1200.78	1627.10	3.00	-3.00	0.00	Mesaverde
6300.00	1.18	227.56	5927.53	-1098.11	-1200.90	1627.27	3.00	-3.00	0.00	MWD
6339.47	0.00	227.56	5967.00	-1098.39	-1201.20	1627.68	3.00	-3.00	0.00	End Drop
6400.00	0.00	227.56	6027.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
6500.00	0.00	227.56	6127.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
6600.00	0.00	227.56	6227.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
6700.00	0.00	227.56	6327.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
6800.00	0.00	227.56	6427.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
6900.00	0.00	227.56	6527.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
7000.00	0.00	227.56	6627.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
7100.00	0.00	227.56	6727.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
7200.00	0.00	227.56	6827.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
7300.00	0.00	227.56	6927.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
7400.00	0.00	227.56	7027.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
7500.00	0.00	227.56	7127.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
7600.00	0.00	227.56	7227.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
7700.00	0.00	227.56	7327.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
7800.00	0.00	227.56	7427.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
7900.00	0.00	227.56	7527.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
8000.00	0.00	227.56	7627.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
8100.00	0.00	227.56	7727.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
8200.00	0.00	227.56	7827.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
8300.00	0.00	227.56	7927.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
8400.00	0.00	227.56	8027.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
8500.00	0.00	227.56	8127.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
8540.47	0.00	227.56	8168.00	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	Buck Tongue
8600.00	0.00	227.56	8227.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
8700.00	0.00	227.56	8327.53	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	MWD
8792.47	0.00	227.56	8420.00	-1098.39	-1201.20	1627.68	0.00	0.00	0.00	TD

## Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec	<--- Longitude ---> Deg Min Sec
10-23-12-30 Target -Rectangle (400x400) -Plan hit target			8420.00	-1098.39	-1201.20	7147272.04	2235888.78	39 55 17.982 N	109 22 35.686 W

# Weatherford International

## Planning Report

<b>Company:</b> Enduring Resources <b>Field:</b> Uintah, Utah <b>Site:</b> NE/NW 30-10S-23E Pad <b>Well:</b> Rock House 10-23-12-30 <b>Wellpath:</b> 1	<b>Date:</b> 5/1/2006 <b>Co-ordinate(NE) Reference:</b> Well: Rock House 10-23-12-30, True North <b>Vertical (TVD) Reference:</b> SITE 5550.0 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,227.56Azi) <b>Plan:</b> Plan #1
--	--

### Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
2012.00	2012.00	8.625	12.250	8 5/8" Surface

### Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
1125.00	1125.00	Green River		0.00	0.00
4052.35	3875.00	Wasatch		0.00	0.00
6292.47	5920.00	Mesaverde		0.00	0.00
8540.47	8168.00	Buck Tongue		0.00	0.00

### Annotation

MD ft	TVD ft	
2072.00	2072.00	SHL (884 FNL & 1858 FWL)
2771.88	2744.36	KOP
5406.29	5070.51	End Build
5522.81	5175.00	Start Drop
6339.47	5967.00	Entry Point
8792.47	8420.00	End Drop
		TD

## RIGHT-OF-WAY and DAMAGE AGREEMENT

THIS AGREEMENT is made and entered into by and between, AMERICAN GILSONITE COMPANY, (hereinafter referred to as "Grantor") and ENDURING RESOURCES, LLC (hereinafter referred to as "Grantee") effective April 15, 2005

WHEREAS, Grantor is the surface owner of NENW Section 30 Township 10 South, Range 23 East, Uintah County, Utah (hereinafter referred to as the "Land(s)").

WHEREAS, Grantee desires to enter onto and cross such Lands for the purpose of drilling an exploratory oil and/or gas well, Rock House 10-23-21-30 ("Well"), located in the NENW, Section 30 Township 10 South, Range 23 East, Uintah County, Utah (hereinafter referred to as the "Drillsite"). In addition, there will be four directional wells drilled from the same pad as the Rock House 10-23-21-30, they are: Rock House 10-23-31-30; Rock House 10-23-11-30; Rock House 10-23-12-30; and Rock House 10-23-22-30.

NOW THEREFORE, for and in consideration of the mutual promises and covenants herein contained, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto agree as follows:

- I. Grantee shall pay Grantor the sum of \$3,000.00 up front payment for damages to surface of the Lands for road access to the Drillsite and for the Drillsite for the drilling of the Well. Within sixty days of completion of the Well either as a producer or a plugged and abandoned well, Grantee shall survey the new access road and the Drillsite to compensate Grantor for any additional damage that may have occurred during drilling and completion operations. Compensation will be on a \$3,000.00 per acre cost for any damages exceeding 4.0 acres and such compensation, if due, will be paid within thirty (30) days of the surveyor's report being released. Grantee shall utilize existing access routes to the maximum extent feasible, so as to minimize surface disturbances for access to facilities.
- II. Grantee and their assigns or agents shall have the right to use a reasonable amount of access road across the Lands and shall have the right to move derricks, drilling tools, vehicles, and all other machinery and equipment necessary or incident to the re-drilling, drilling, testing completion, operation of the Well. Such activity shall be restricted to existing public roads or access roads covered by this agreement. Any roads or surface facilities may be relocated at Grantor's expense if needed due to gilsonite mining or processing in the future.
- III. This Agreement and the rights granted herein are effective and shall continue in full force and effect so long as operations are conducted on the Well. Upon execution of this Agreement, all payments due hereunder shall be paid concurrently. Operations are defined under terms of the oil and gas lease with Grantor, and under the Rules and Regulations defined by the State of Utah.
- IV. Cattle guards and gates will be constructed, if requested by Grantor, at all places where the openings go through the existing fences and gates will be kept closed at all times except when opened for passage of traffic. Also, gates shall be installed to limit access to producing wells on roads constructed by Grantee if by mutual agreement between Grantee and Grantor.

RECEIVED

MAY 26 2006

DIV. OF OIL, GAS & MINING

- V. If there is any fill used for roads constructed across any drainage, then culverts will be used for the free flow of water through said drainage.
- VI. If the access road departs from existing established roadways and new construction is required, topsoil will be segregated and stockpiled for replacement during reclamation activities.
- VII. It is understood that any road constructed across the said Lands shall not exceed 30 feet in total width, including the total disturbed area between the outside of each berm, without the prior approval of Grantor.
- VIII. Upon completion of the Well as a dry hole and the subsequent abandonment thereof, and at the request of the Grantor, and drill pads and newly constructed road will be restored and seeded within 180 days to the condition it was in prior to commencement of operations insofar as reasonably possible. Any preexisting roads, and the improvements thereto, which are constructed by Grantee, shall be left in a good and useable condition for the continued use by Grantor. Reclaimed areas will be reseeded with a wildlife mixture approved by the Utah Division of Wildlife.
- IX. In the event that the Well is completed as a producer of oil and/or gas, Grantee shall build and maintain a permanent access road in conformance with the already established county road including any variances granted by the county by existing roads to the Drillsite. Disturbed areas not used for production will be regraded and seeded with an approved wildlife seed mix within 90 days unless prohibited by weather.
- X. Upon completion of the Well as a well capable of oil and/or gas production, this Agreement shall continue in full force and effect and Grantee shall pay in advance to Grantor an annual access rental of \$3,000, \$2,000 per pad and \$1,000 per acre of roadway (30-foot width, or a minimum of \$3,000 to include the pad and roadway for each well, whichever is greater, on or before January 31<sup>st</sup> of each year thereafter until the subject well is plugged and abandoned and operations cease thereon.
- XI. It is expressly understood that the settlement amounts in paragraph I are only for construction of a road and drilling location and it is not a settlement for any damages to contiguous property, personal property of the Grantor or a release of any personal injuries that may be sustained by reason of the operations carried on by Grantee or its agents.
- XII. This Agreement does not cover pipeline easements and Grantee acknowledges that it must secure a separate agreement prior to laying pipeline related to production of gas or oil on Grantor's lands.
- XIII. This Agreement shall not be assigned, nor the rights of Grantee hereunder transferred in any manner without the prior written consent of Grantor, which consent shall not be unreasonably withheld.
- XIV. Grantee shall comply at its own expense with the Workman's Compensation Law of the State of Utah and shall maintain such insurance throughout the duration of

this Agreement, and shall furnish Grantor prior to beginning work on the Lands evidence of such insurance and at each policy period thereafter renewal evidence that such insurance is being maintained. Grantee, with respect to its operation in connection with this Agreement, shall also purchase or provide for (1) comprehensive general public liability insurance with a combined single limit not less than One Million Dollars (\$1,000,000) for bodily injury and property damage; and (ii) automobile insurance with a combined single limit of not less than One Million Dollars (\$1,000,000) for bodily injury or property damage. At Grantor's request, Grantee shall furnish Grantor with a certificate or certificates of insurance secured and maintained hereunder and Grantor shall be an additional insured thereon.

- XV. In the event any person or entity (including Grantor) suffers a loss of any kind or character, or death or injury, (1) as a result of a breach of this Agreement by Grantee, or its agents, contractors, or employees, or (2) as a result of Grantee or its agents, contractors or employees performing on the Drillsite or elsewhere, any action, directly or indirectly, in furtherance of a right hereunder, or (3) from any cause whatsoever while being on the Lands and the Drillsite to conduct any work or service for Grantee shall reimburse, indemnify, defend and hold harmless Grantor for any and all losses, costs, claims, liability, litigation, demands, damages and expenses (including all attorney fees) of every kind or character which Grantor may suffer or be subject to as a result of said loss or injury whether or not such losses, costs, claims, liabilities, litigation, demands, damages, and expenses (including all attorney fees) result from the condition of Grantor's premises or facilities, unless through the sole negligence of Grantor or its agents.
- XVI. Grantee shall provide Grantor with not less than forty-eight (48) hours advance notice, either by phone or in person, of Grantee's intent to enter upon the Land for the purpose of commencing operations thereon. Grantee shall conduct its operations in such a manner as to use no more Land than is reasonably necessary and shall use all reasonable efforts not to interfere with the use of the Land by any grazing permittees. All drilling fluid pits shall be fenced within ten days of end of drilling the Well as a producer or dry hole and then the pits will be reclaimed and reseeded within 180 days of the completion of the well as a producer or a dry hole. Surface structures shall be fenced, if they represent a potential hazard to livestock, by mutual agreement between Grantor and Grantee. The type of fencing to be mutually agreed upon by Grantor and Grantee. Grantee will have ten days to effect repairs or problems with fences when notified by e-mail or in writing by Grantor. Grantor can request an extension of the closure of pits beyond the 180 days from the completion of the Well if closing the pits represents a potential hazard or closing the pits at that time will not comply with the State of Utah's reclamation requirements. An extension will not be unreasonably withheld.
- XVII. Grantee shall have the right at any time, and from time to time, to remove any or all property, fixtures, equipment and materials, placed by Grantee on the Land, including the right to draw and remove casing. Within 90 days after plugging of the Well this agreement will expire and Grantee shall remove all remaining property, fixtures, equipment and materials that were placed by Grantee on the Land. Such removal shall be accomplished at Grantee's sole cost, risk and

expense. If such items are not removed within 90 days, Grantor shall have the right to remove those items from the Land and bill the associated cost for such removal to Grantee.

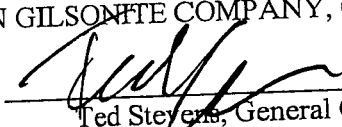
- XVIII. This agreement restricts the Grantee's use of Grantor's lands to the sole purpose of exploration and production of oil and/or gas at this specific site. It does not grant Grantee, its contractors, or its agents the right to use the Grantor's property for any other purpose.
- XIX. All operations of Grantee hereunder which involve drilling for and producing of oil and gas, or both, or the cessation, or abandonment, of its operations shall be conducted in a good and workmanlike manner and in accordance with standard oil field practices and in accordance with all applicable federal, state and local statutes and regulations including specifically, but not by way of limitation, such laws and regulations governing the operation, maintenance and reclamation of well sites, pipelines, tank batteries, and other related facilities as may be utilized by Grantee and its operations hereunder. Grantee shall further adhere to and abide by all federal, state and local environment statutes and regulations addressing air, water, and solid waste pollution and the handling storage, storage use and disposal of hazardous substances as prescribed in the Comprehensive Environmental Response, Compensation and Liability Act of 1986, 42 U.S.C. & 9601, et seq. (CERCLA). Grantee shall provide Grantor with copies of all applications for environmental laws, governmental requests for any information pertaining to environmental issues relating to the Land or products produced therefrom or Grantee's use thereof, copies of any responses from Grantee's to said requests, and any environmental investigations, reports, or studies involving the Land or products produced therefrom or the use thereof by Grantee which from time to time, may be obtained from Grantee.
- XX. Grantee also agrees to abide by the laws of regulations of the State of Utah designed to protect gilsonite deposits, including but not limited to those specific rules set forth in the General Rules and Regulations of the Utah Board of Oil, Gas and Mining, as amended, pertaining to such matters.
- XXI. The provisions hereof shall be considered as covenants running with the Land during the life of the Agreement and all modifications thereof, and any assignment of the Agreement shall be subject to the provisions thereof.
- XXII. This Agreement shall not be terminated in whole or in part, nor Grantee held liable for damages, because of a temporary cessation of production of drilling operations due to breakdown of equipment or due to the repairing of a well or wells or because of failure to comply with any of the express provisions or implied covenants of this Agreement if such failure is the result of the exercise of governmental authority, war, armed hostilities, act of God, strike, civil disturbance, fire, explosion, flood or any other cause, including lack of market, beyond the control of Grantee.
- XXIII. Any controversy or claim, whether based in contract, tort or otherwise arising in any way out of, relating to on in connection with this Agreement (a "Dispute") shall be finally settled by arbitration conducted expeditiously in accordance with the Commercial Arbitration Rules (the "Rules") of the American Arbitration



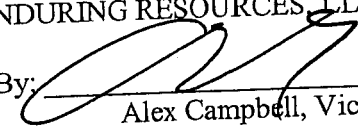
Association (the "AAA"). In the event of a conflict between this Article and the Rules, this Article shall govern. The attorney/client and work product privileges will be honored in the arbitration as though the case were being determined in a Utah state court. The arbitration shall be conducted before one independent and impartial arbitrator selected by the AAA pursuant to the Rules. The arbitration shall be governed by the United States Arbitration Act, 9 U.S.C. 1-16, to the exclusion of any provision of Utah law inconsistent therewith and which would produce a different result, and judgment upon the award rendered by the arbitrator may be entered by any court having jurisdiction thereof. The place of arbitration shall be Salt Lake City, Utah, and the cost of the arbitration proceeding shall be borne equally by the parties to this agreement and each party shall bear its own attorney's fees, and other expenses, provided that the arbitrator may award attorney fees, filing fees, and costs to the prevailing party as the arbitrator deems reasonable and fair. The arbitrators shall determine the claims of the parties and render their final award in accordance with the substantive law of the State of Utah exclusive of its conflict of law rules. The limitations of any actions will be determined under Utah law. The arbitrator shall permit and facilitate such discovery as the arbitrator determines is appropriate in the circumstances, taking into account the needs of the parties and the desirability of making discovery expeditious and cost-effective. The arbitrator shall actively manage the proceedings as the arbitrator deems best so as to make the proceedings fair, expeditious, economical, and less burdensome than litigation. The procedures specified in this section shall be the exclusive means of resolution of Disputes between the parties, provided that either party may seek injunctive action before a court of competent jurisdiction to prevent the occurrence of irreparable harm pending resolution of a Dispute pursuant to the provisions of this section.

XXIV. This agreement constitutes the entire Agreement between the parties hereto as to the subject matters herein set forth and supersedes all prior written or oral agreements relative thereto. No change, modification, alteration or amendment to this Agreement shall be binding upon the parties hereto except as specifically expressed in writing and signed by each party agreeing to be bound thereby.

AMERICAN GILSONITE COMPANY, Grantor

By:   
Ted Stevens, General Counsel

ENDURING RESOURCES, LLC, Grantee

By:   
Alex Campbell, Vice President

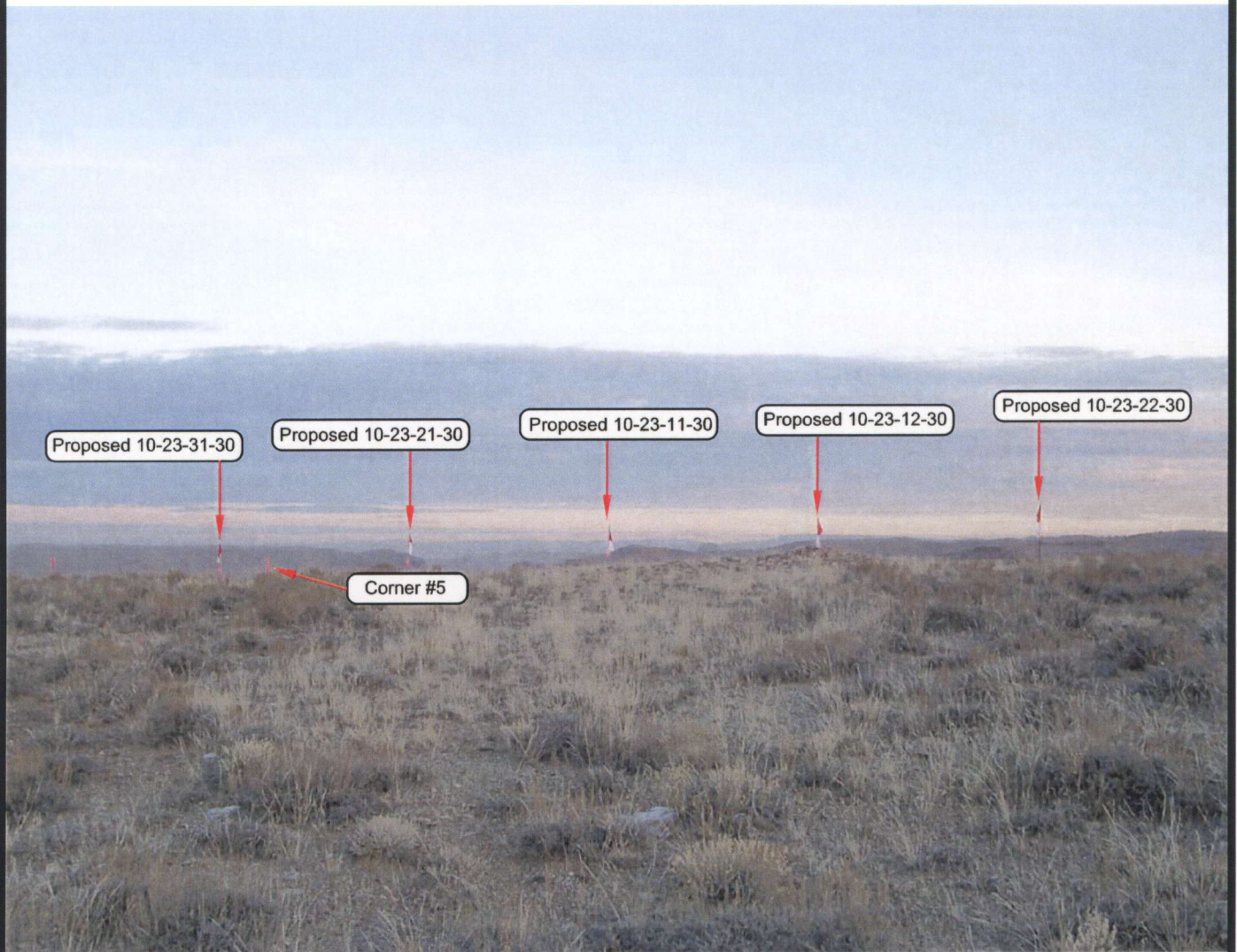


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

## ENDURING RESOURCES

Rock House 10-23-21-30,  
Rock House 10-23-31-30, Rock House 10-23-11-30,  
Rock House 10-23-12-30 & Rock House 10-23-22-30  
SECTION 30, T10S, R23E, S.L.B.&M.  
835' FNL & 1866' FWL

## LOCATION PHOTOS

TAKEN BY: K.R.K.

DRAWN BY: M.W.W.

DATE TAKEN: 12-21-05

DATE DRAWN: 01-04-05

REVISED:

**Timberline Land Surveying, Inc.**  
38 West 100 North Vernal, Utah 84078  
(435) 789-1365

SHEET  
1  
OF 11



# ENDURING RESOURCES

## WELL PAD INTERFERENCE PLAT

ROCK HOUSE 10-23-21-30, ROCK HOUSE 10-23-31-30,  
ROCK HOUSE 10-23-11-30, ROCK HOUSE 10-23-12-30  
& ROCK HOUSE 10-23-22-30

### SURFACE POSITION FOOTAGES:

ROCK HOUSE 10-23-31-30  
810' FNL & 1870' FWL

ROCK HOUSE 10-23-21-30  
835' FNL & 1866' FWL

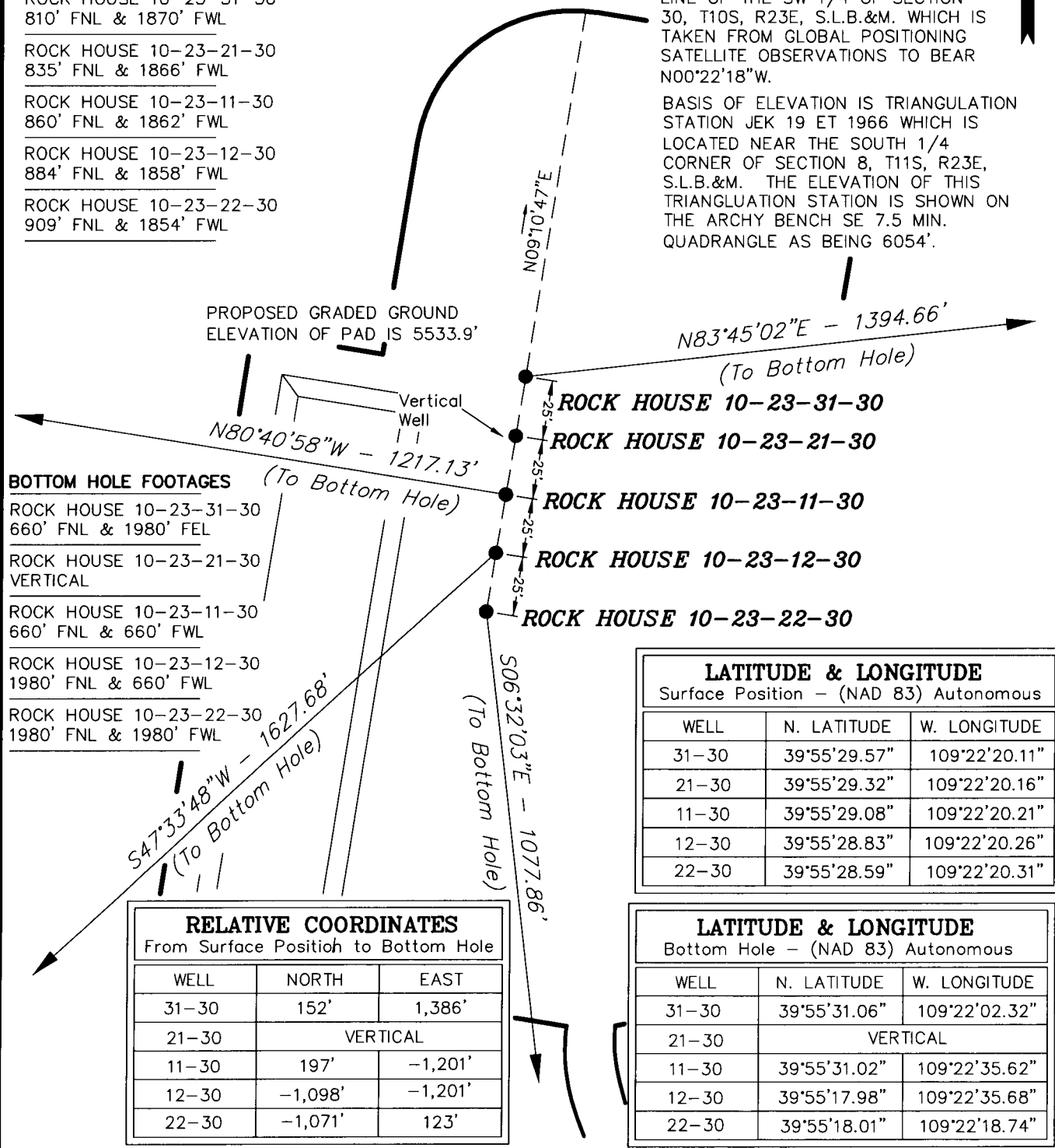
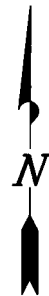
ROCK HOUSE 10-23-11-30  
860' FNL & 1862' FWL

ROCK HOUSE 10-23-12-30  
884' FNL & 1858' FWL

ROCK HOUSE 10-23-22-30  
909' FNL & 1854' FWL

BASIS OF BEARINGS IS THE WEST  
LINE OF THE SW 1/4 OF SECTION  
30, T10S, R23E, S.L.B.&M. WHICH IS  
TAKEN FROM GLOBAL POSITIONING  
SATELLITE OBSERVATIONS TO BEAR  
N00°22'18"W.

BASIS OF ELEVATION IS TRIANGULATION  
STATION JEK 19 ET 1966 WHICH IS  
LOCATED NEAR THE SOUTH 1/4  
CORNER OF SECTION 8, T11S, R23E,  
S.L.B.&M. THE ELEVATION OF THIS  
TRIANGULATION STATION IS SHOWN ON  
THE ARCHY BENCH SE 7.5 MIN.  
QUADRANGLE AS BEING 6054'.



### BOTTOM HOLE FOOTAGES

ROCK HOUSE 10-23-31-30  
660' FNL & 1980' FEL

ROCK HOUSE 10-23-21-30  
VERTICAL

ROCK HOUSE 10-23-11-30  
660' FNL & 660' FWL

ROCK HOUSE 10-23-12-30  
1980' FNL & 660' FWL

ROCK HOUSE 10-23-22-30  
1980' FNL & 1980' FWL

### LATITUDE & LONGITUDE

Surface Position - (NAD 83) Autonomous

WELL	N. LATITUDE	W. LONGITUDE
31-30	39°55'29.57"	109°22'20.11"
21-30	39°55'29.32"	109°22'20.16"
11-30	39°55'29.08"	109°22'20.21"
12-30	39°55'28.83"	109°22'20.26"
22-30	39°55'28.59"	109°22'20.31"

### RELATIVE COORDINATES

From Surface Position to Bottom Hole

WELL	NORTH	EAST
31-30	152'	1,386'
21-30	VERTICAL	
11-30	197'	-1,201'
12-30	-1,098'	-1,201'
22-30	-1,071'	123'

### LATITUDE & LONGITUDE

Bottom Hole - (NAD 83) Autonomous

WELL	N. LATITUDE	W. LONGITUDE
31-30	39°55'31.06"	109°22'02.32"
21-30	VERTICAL	
11-30	39°55'31.02"	109°22'35.62"
12-30	39°55'17.98"	109°22'35.68"
22-30	39°55'18.01"	109°22'18.74"

Section 30 T10S, R23E, S.L.B.&M.

Qtr/Qtr Location: NE NW

Footage Location: 835' FNL & 1866' FWL

Date Surveyed:  
12-21-05

Date Drawn:  
12-30-05

Date Last Revision:

Surveyed By: K.R.K.

Drawn By: M.W.W.

Scale: 1" = 60'

**Timberline** (435) 789-1365

Land Surveying, Inc.

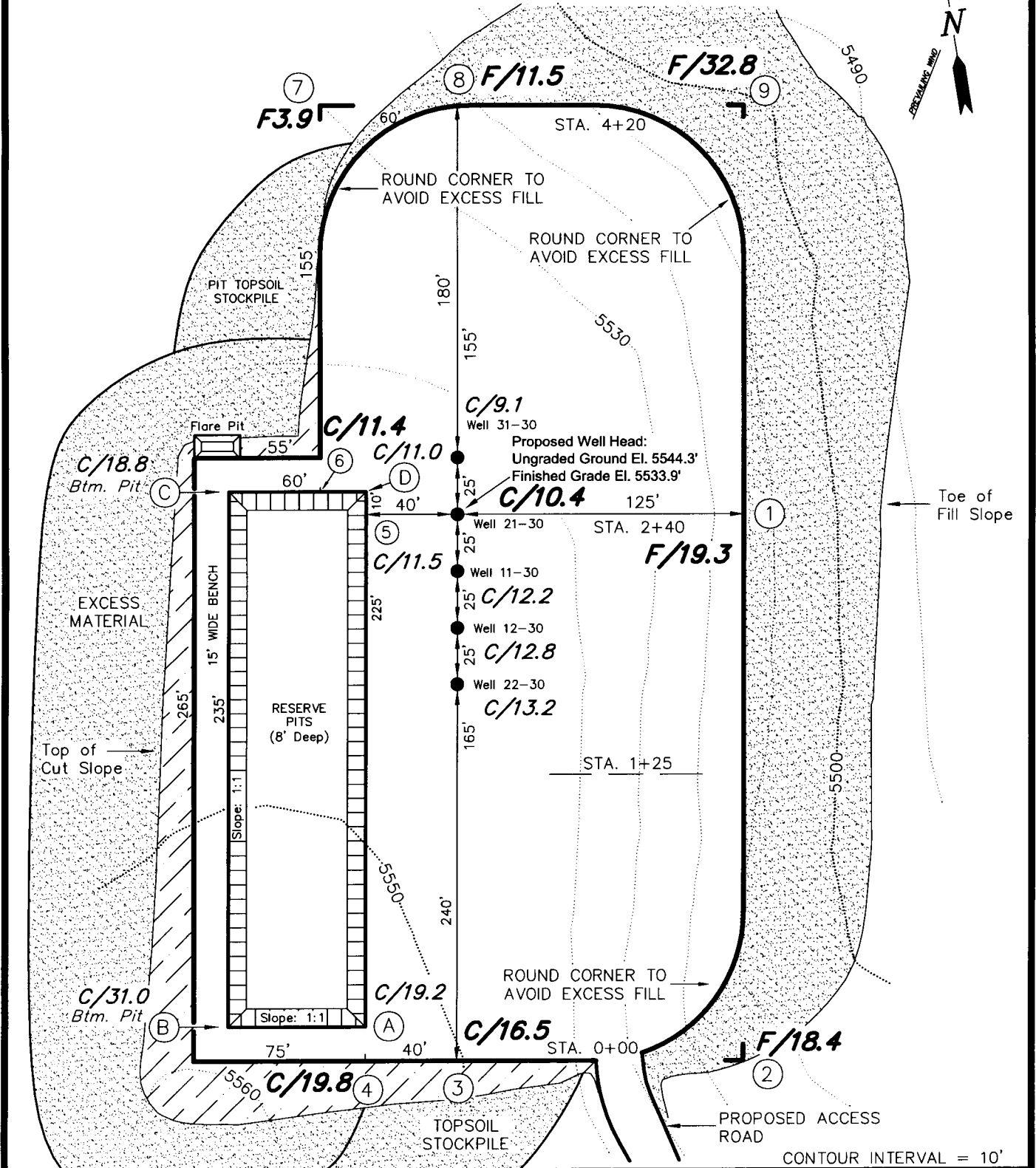
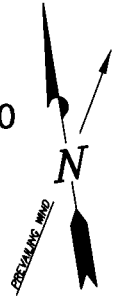
38 WEST 100 NORTH VERNAL, UTAH 84078


SHEET

3

OF 11

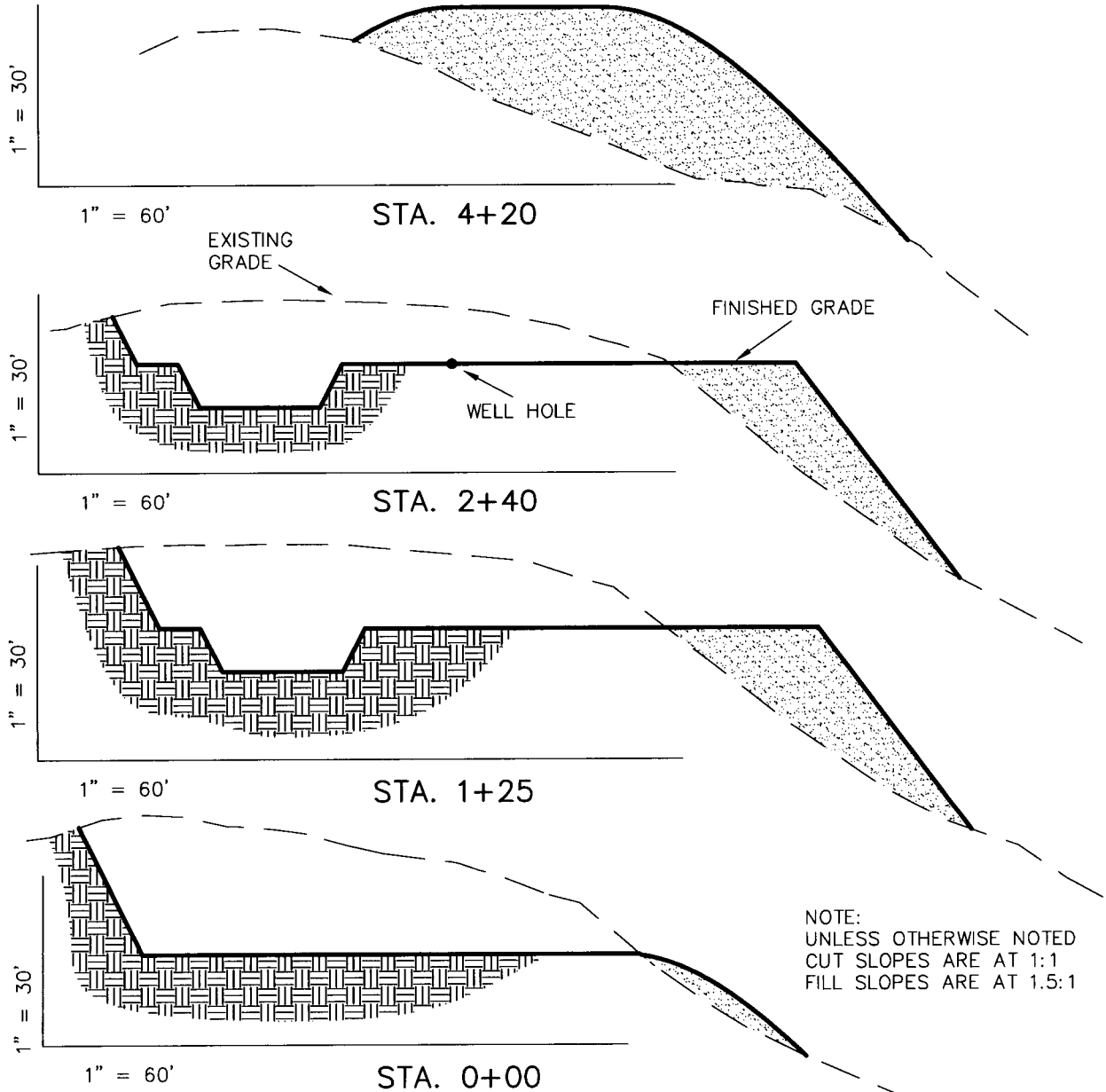
CUT SHEET - ROCK HOUSE 10-23-21-30,  
ROCK HOUSE 10-23-31-30, ROCK HOUSE 10-23-11-30,  
ROCK HOUSE 10-23-12-30 & ROCK HOUSE 10-23-22-30



Section 30, T10S, R23E, S.L.B.&M.		Qtr/Qtr Location: NE NW		Footage Location: 835' FNL & 1866' FWL	
Date Surveyed: 12-21-05	Date Drawn: 12-30-05	Date Last Revision:	 <div> <div>Timberline</div> <div>Land Surveying, Inc.</div> <div>38 WEST 100 NORTH VERNAL, UTAH 84078</div> </div>		
Surveyed By: K.R.K.	Drawn By: M.W.W.	Scale: 1" = 60'			
			<div> <div>(435) 789-1365</div> <div>SHEET 4 OF 11</div> </div>		

# ENDURING RESOURCES

CROSS SECTIONS - ROCK HOUSE 10-23-21-30,  
ROCK HOUSE 10-23-31-30, ROCK HOUSE 10-23-11-30,  
ROCK HOUSE 10-23-12-30 & ROCK HOUSE 10-23-22-30



Pit overburden is included in pad cut.

## ESTIMATED EARTHWORK QUANTITIES (No shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	26,150	27,900	Topsoil is not included in Pad Cut	-1,750
PIT	3,500	0		3,500
TOTALS	29,650	27,900	1,710	1,750

Excess Material after Pit Rehabilitation = 0 Cu. Yds.

## REFERENCE POINTS

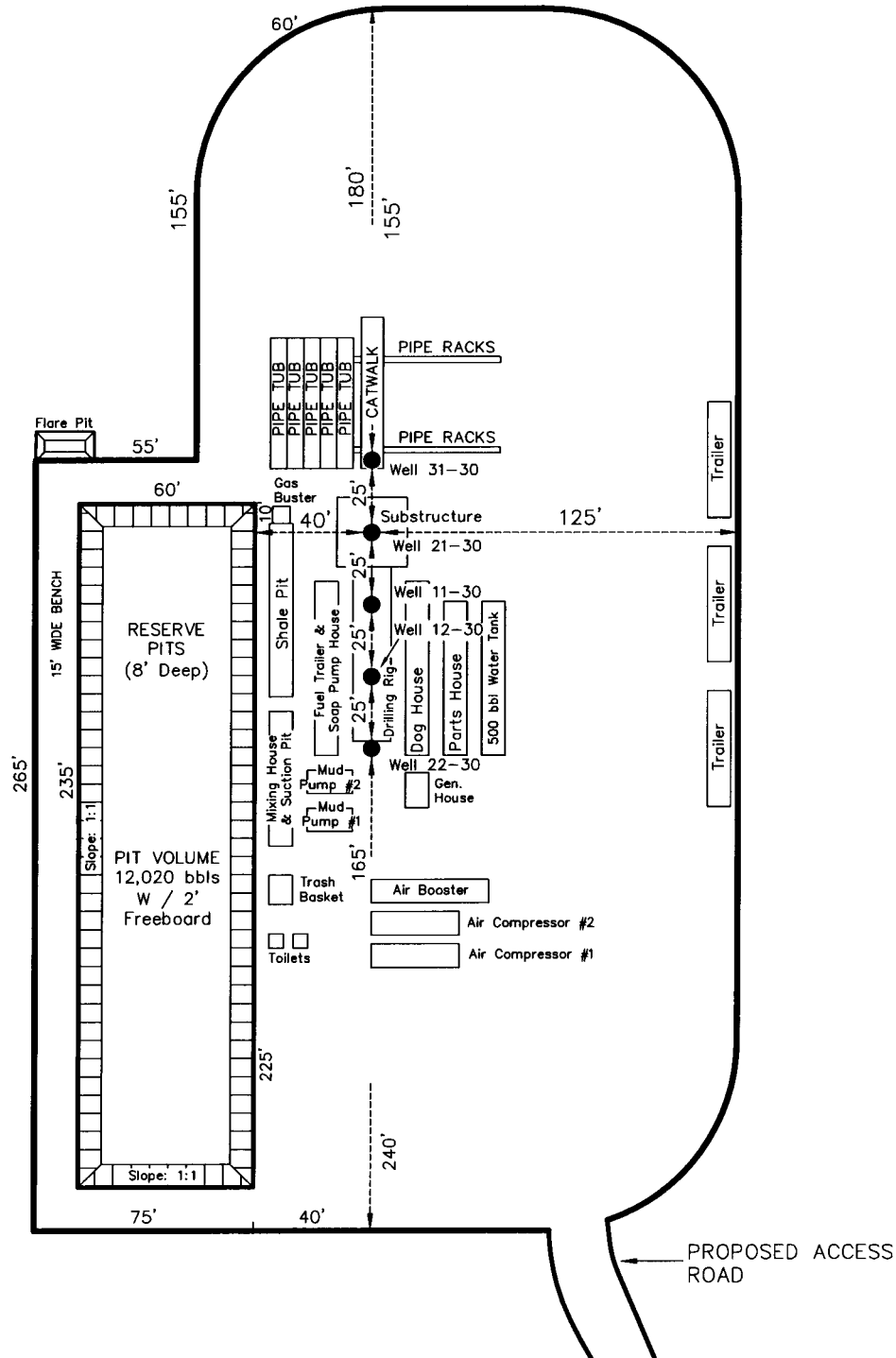
290' SOUTHERLY = 5551.7'  
340' SOUTHERLY = 5554.8'  
175' EASTERLY = 5496.7'  
235' EASTERLY = 5483.3'

Section 30, T10S, R23E, S.L.B.&M.		Qtr/Qtr Location: NE NW	Footage Location: 835' FNL & 1866' FWL
Date Surveyed: 12-21-05	Date Drawn: 12-30-05	Date Last Revision:	<b>Timberline</b> <i>Land Surveying, Inc.</i> (435) 789-1365 38 WEST 100 NORTH VERNAL, UTAH 84078
Surveyed By: K.R.K.	Drawn By: M.W.W.	Scale: 1" = 60'	

SHEET  
5  
OF 11

# ENDURING RESOURCES

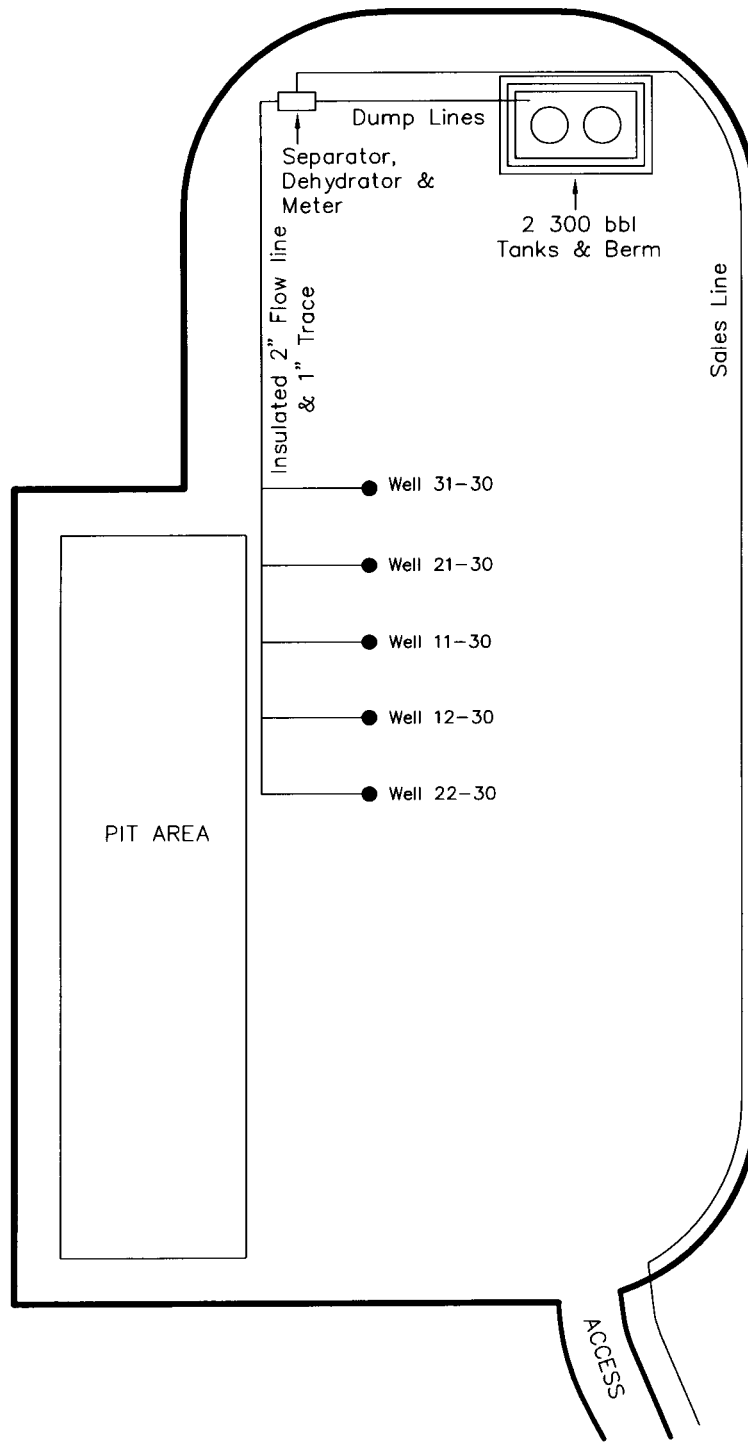
TYPICAL RIG LAYOUT – ROCK HOUSE 10-23-21-30,  
ROCK HOUSE 10-23-31-30, ROCK HOUSE 10-23-11-30,  
ROCK HOUSE 10-23-12-30 & ROCK HOUSE 10-23-22-30



Section 30, T10S, R23E, S.L.B.&M.		Qtr/Qtr Location: NE NW	Footage Location: 835' FNL & 1866' FWL
Date Surveyed: 12-21-05	Date Drawn: 12-30-05	Date Last Revision:	<b>Timberline</b> (435) 789-1365 <b>Land Surveying, Inc.</b>
Surveyed By: K.R.K.	Drawn By: M.W.W.	Scale: 1" = 60'	38 WEST 100 NORTH VERNAL, UTAH 84078
			<b>SHEET 6 OF 11</b>

# ENDURING RESOURCES

TYPICAL PRODUCTION LAYOUT – ROCK HOUSE 10-23-21-30,  
ROCK HOUSE 10-23-31-30, ROCK HOUSE 10-23-11-30,  
ROCK HOUSE 10-23-12-30 & ROCK HOUSE 10-23-22-30



Section 30, T10S, R23E, S.L.B.&M.		Qtr/Qtr Location: NE NW	Footage Location: 835' FNL & 1866' FWL
Date Surveyed: 12-21-05	Date Drawn: 12-30-05	Date Last Revision:	<b>Timberline</b> (435) 789-1365
Surveyed By: K.R.K.	Drawn By: M.W.W.	Scale: 1" = 60'	<b>Land Surveying, Inc.</b>
38 WEST 100 NORTH VERNAL, UTAH 84078			<b>SHEET 7 OF 11</b>





#### LEGEND

PROPOSED ACCESS ROAD  
 --- = SUBJECT WELL  
 --- = OTHER WELLS  
 --- = EXISTING ROAD  
 --- = EXISTING ROAD (TO BE IMPROVED)

(B-5460) = COUNTY ROAD CLASS & NUMBER

#### TOPOGRAPHIC MAP "A"

SCALE: 1"=10,000'

DRAWN BY: M.W.W.

DATE SURVEYED: 12-21-05

DATE DRAWN: 01-03-06

REVISED: 05-03-06

#### ENDURING RESOURCES

##### Rock House 10-23-12-30

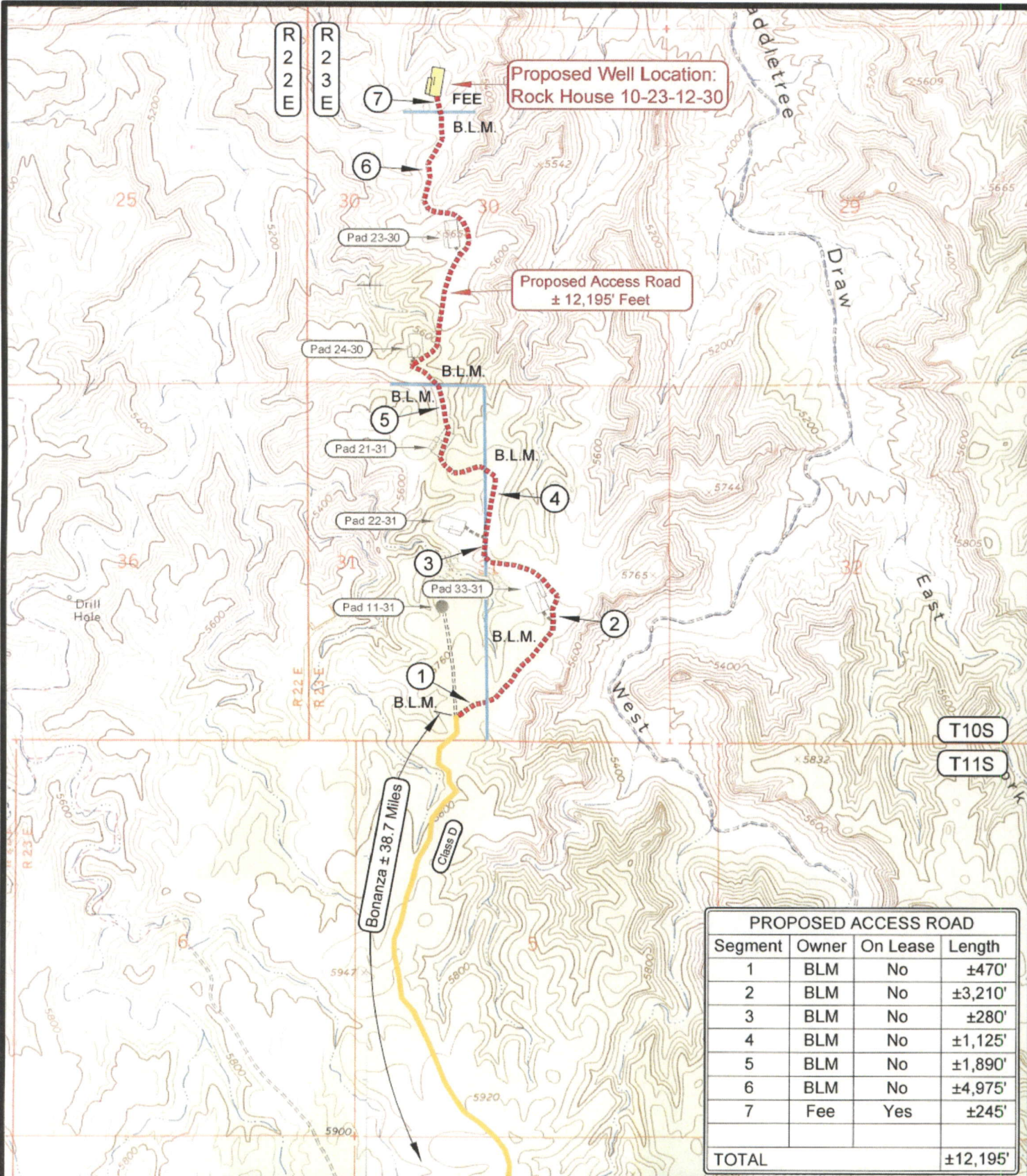
Other wells on this pad: Rock House 10-23-21-30, Rock House 10-23-11-30, Rock House 10-23-31-30 & Rock House 10-23-22-30

SECTION 30, T10S, R23E, S.L.B.&M.

Timberline Land Surveying, Inc.  
 38 West 100 North Vernal, Utah 84078  
 (435) 789-1365

SHEET  
 8  
 OF 11





#### LEGEND

- PROPOSED ACCESS ROAD  
 ■■■■■■ = SUBJECT WELL  
 ■■■■■■ = OTHER WELLS  
 ——— = EXISTING ROAD  
 ——— = EXISTING ROAD (TO BE IMPROVED)  
 (B-5460) = COUNTY ROAD CLASS AND NUMBER  
 ——— = LEASE LINE AND / OR PROPERTY LINE

#### TOPOGRAPHIC MAP "B"

SCALE: 1" = 2000'

DRAWN BY: M.W.W.

DATE SURVEYED: 12-21-05

DATE DRAWN: 01-03-05

REVISED: 05-03-06

#### ENDURING RESOURCES

##### Rock House 10-23-12-30

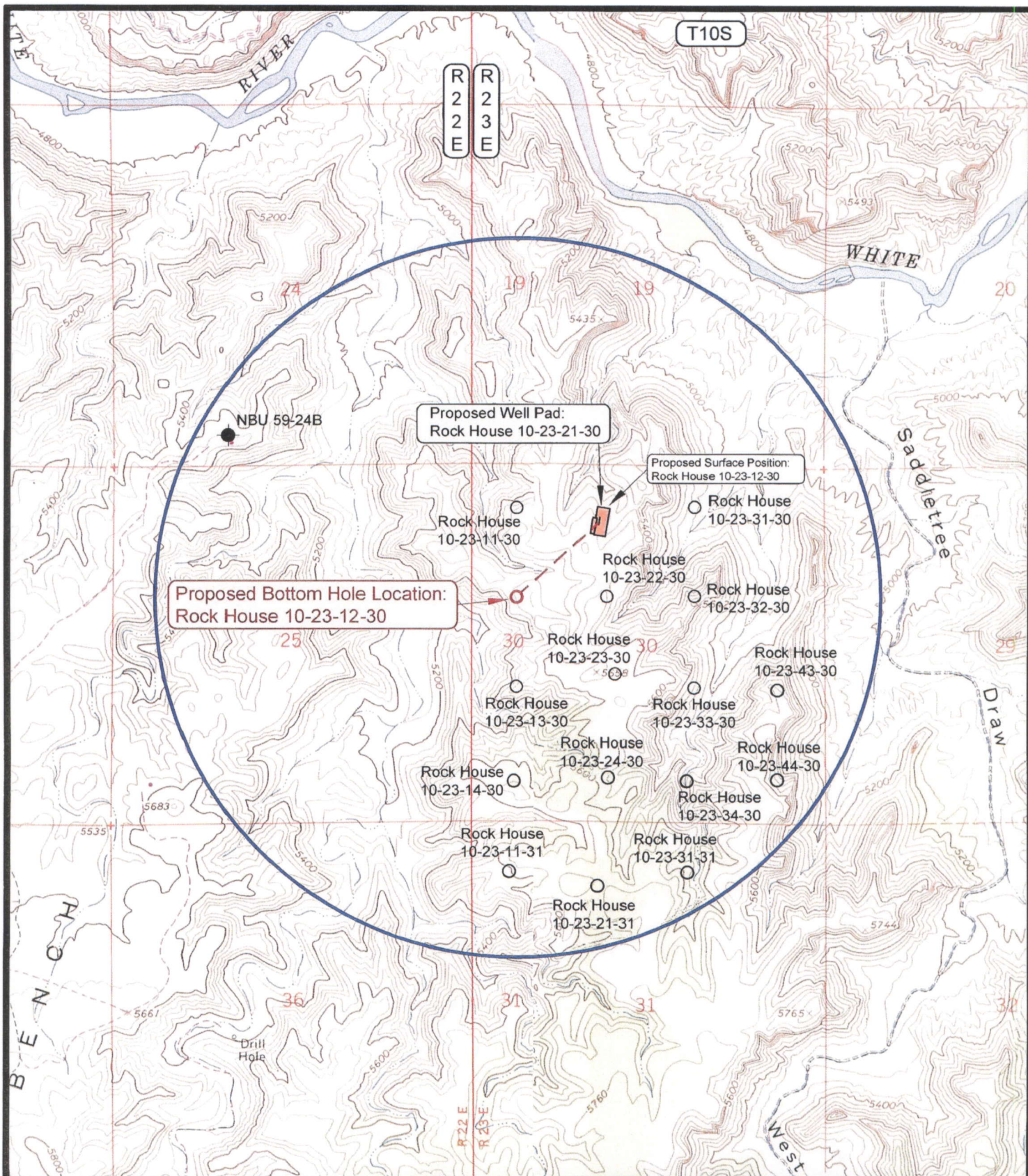
Other wells on this pad: Rock House 10-23-21-30, Rock House 10-23-11-30, Rock House 10-23-31-30 & Rock House 10-23-22-30  
**SECTION 30, T10S, R23E, S.L.B.&M.**

#### Timberline Land Surveying, Inc.

38 West 100 North Vernal, Utah 84078  
 (435) 789-1365

SHEET  
 9  
 OF 11





### LEGEND

- |                    |                                |
|--------------------|--------------------------------|
| ⊗ = DISPOSAL WELL  | ⊗ = WATER WELL                 |
| ● = PRODUCING WELL | ● = ABANDONED WELL             |
| ● = SHUT IN WELL   | ● = TEMPORARILY ABANDONED WELL |
| ○ = PROPOSED WELL  | ⊕ = ABANDONED LOCATION         |

### TOPOGRAPHIC MAP "C"

SCALE: 1" = 2000'

DRAWN BY: M.W.W.

DATE SURVEYED: 12-21-05

DATE DRAWN: 01-03-05

REVISED:

### ENDURING RESOURCES

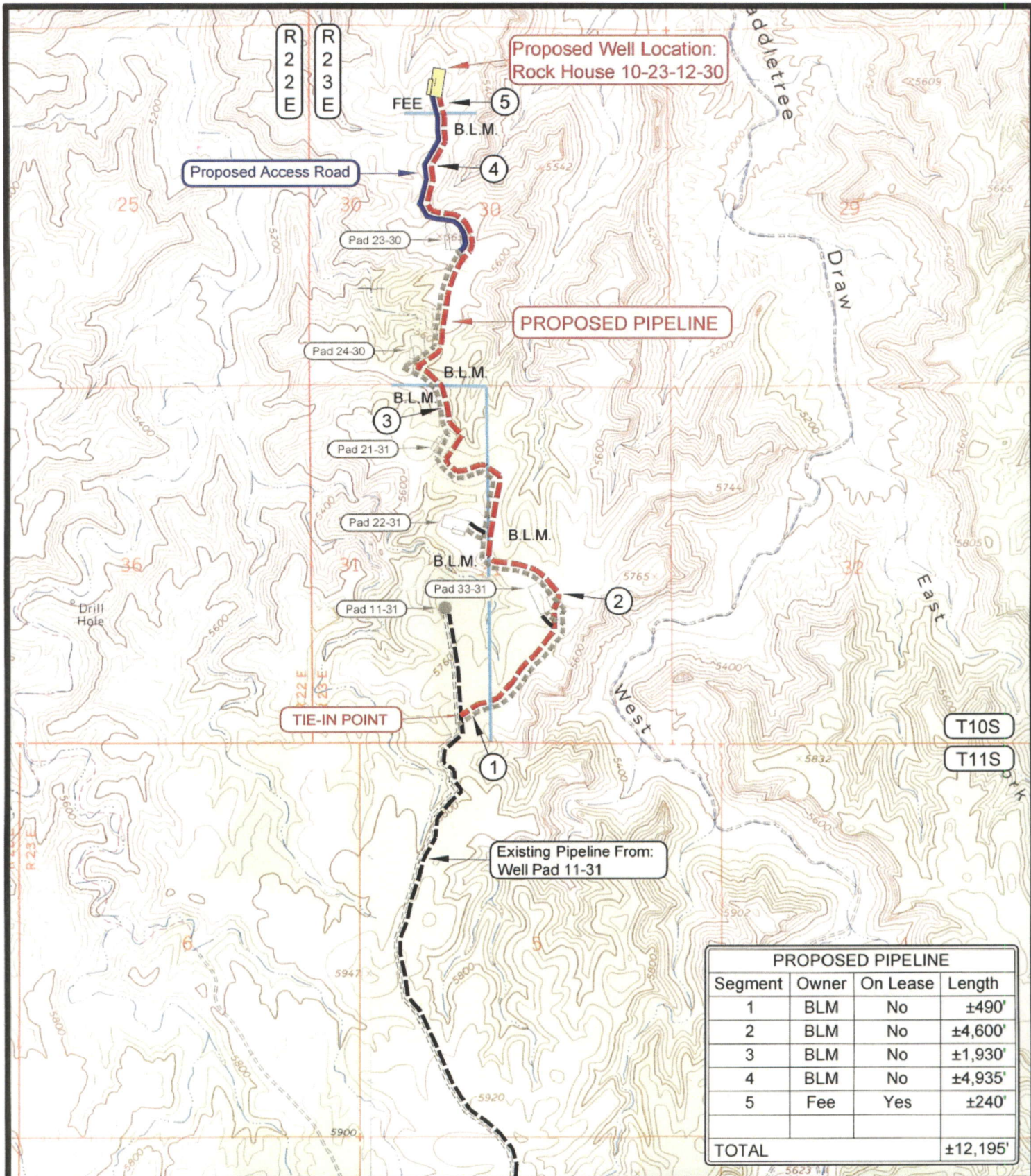
**Rock House 10-23-21-30,  
 Rock House 10-23-31-30, Rock House 10-23-11-30,  
 Rock House 10-23-12-30 & Rock House 10-23-22-30  
 SECTION 30, T10S, R23E, S.L.B.&M.  
 Bottom Hole: 1980' FNL & 660' FWL**

**Timberline Land Surveying, Inc.**

38 West 100 North Vernal, Utah 84078  
 (435) 789-1365

**SHEET  
 10d  
 OF 11**





PROPOSED PIPELINE			
Segment	Owner	On Lease	Length
1	BLM	No	±490'
2	BLM	No	±4,600'
3	BLM	No	±1,930'
4	BLM	No	±4,935'
5	Fee	Yes	±240'
TOTAL			±12,195'

#### LEGEND

- = PROPOSED PIPELINE
- = OTHER PIPELINE
- = LEASE LINE AND / OR PROPERTY LINE
- = PROPOSED ACCESS ROAD
- = SUBJECT WELL
- = OTHER WELLS

#### TOPOGRAPHIC MAP "D"

SCALE: 1" = 2000'

DRAWN BY: M.W.W.

DATE SURVEYED: 12-21-05

DATE DRAWN: 01-04-05

REVISED: 05-03-06

#### ENDURING RESOURCES

##### Rock House 10-23-12-30

Other wells on this pad: Rock House 10-23-21-30, Rock House 10-23-11-30, Rock House 10-23-31-30 & Rock House 10-23-22-30

SECTION 30, T10S, R23E, S.L.B.&M.

#### Timberline Land Surveying, Inc.

38 West 100 North Vernal, Utah 84078  
(435) 789-1365

SHEET

11

OF 11

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
Enduring Resources, LLC

3. ADDRESS OF OPERATOR:  
475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202

PHONE NUMBER:  
(303) 350-5114

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 884' FNL - 1858' FWL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 30 10S 23E S

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU-76281

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
n/a

7. UNIT or CA AGREEMENT NAME:  
n/a

8. WELL NAME and NUMBER:  
Rock House 10-23-12-30

9. API NUMBER:  
4304736547

10. FIELD AND POOL, OR WILDCAT:  
Wildcat

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT  
(Submit in Duplicate)  
Approximate date work will start:  
\_\_\_\_\_

☐ SUBSEQUENT REPORT  
(Submit Original Form Only)  
Date of work completion:  
\_\_\_\_\_

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☒ OTHER: Request for APD  
Extension

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Enduring Resources, LLC respectfully request an extension to the expiration date of this Application for Permit to Drill ....

FROM: 5-9-2007  
TO: 5-9-2008

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 07-02-07  
By: [Signature]

7-3-07  
Rm

NAME (PLEASE PRINT) Evette Bissett

TITLE Regulatory Affairs Assistant

SIGNATURE [Signature]

DATE 6/27/2007

(This space for State use only)

RECEIVED  
JUL 02 2007

DIV. OF OIL, GAS & MINING



**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304736547  
**Well Name:** Rock House 10-23-12-30  
**Location:** 884' FNL - 1858' FWL NENW Sec 30-10S-23E  
**Company Permit Issued to:** Houston Exploration  
**Date Original Permit Issued:** 4/13/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☐

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

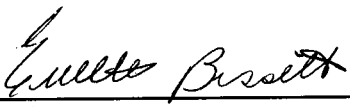
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

6/27/2007  
Date

Title: Landman - Regulatory Specialist

Representing: Enduring Resources, LLC

**RECEIVED**  
**JUL 02 2007**  
DIV. OF OIL, GAS & MINING

RECEIVED  
MAY 12 2006

FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

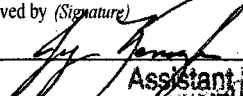
1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>UTU-76281</b>
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator <b>Enduring Resources, LLC</b>		7. If Unit or CA Agreement, Name and No. N/A
3a. Address <b>475 17th Street, Suite 1500 Denver, CO 80202</b>	3b. Phone No. (include area code) <b>303-350-5114</b>	8. Lease Name and Well No. <b>Rock House 10-23-12-30</b>
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface <b>884' FNL-1858' FWL NENW Sec 30-10S-23E</b> At proposed prod. zone <b>1980' FNL-660' FWL SWNW Sec 30-10S-23E</b>		9. API Well No. <b>43-047-36547</b>
14. Distance in miles and direction from nearest town or post office* <b>80.3 miles Southeast from Vernal, Utah</b>		10. Field and Pool, or Exploratory <b>undesignated</b>
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>884' Surf - 660' BHL</b>	16. No. of acres in lease <b>640 acres</b>	11. Sec., T. R. M. or Blk. and Survey or Area <b>Sec 30-T10S R23E S.L.B.&amp;M.</b>
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>1000' + BHL (25' Surf)</b>	19. Proposed Depth <b>8420'</b>	12. County or Parish <b>Uintah</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5550' KB-RT</b>	22. Approximate date work will start* <b>07/01/2006</b>	13. State <b>UT</b>
23. Estimated duration <b>20 days</b>		
24. Attachments		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) <b>Alvin R. (Al) Arlian</b>	Date <b>05/02/2006</b>
---	---	---------------------------

Title  
**Landman - Regulatory Specialist**

Approved by (Signature) 	Name (Printed/Typed) <b>Terry Revere</b>	Date <b>2-14-2008</b>
---	---	--------------------------

Title **Assistant Field Manager**  
**LANDS & MINERAL RESOURCES**  
Office **VERNAL FIELD OFFICE**

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on page 2)

CONDITIONS OF APPROVAL ATTACHED

FEB 25 2008

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

06BM2196A



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Enduring Resources, LLC  
Well No: Rock House 10-23-12-30  
API No: 43-047-36547

Location: NENW Sec 30, T10S, R23E  
Lease No: UTU-76281  
Agreement: N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify NRS/Enviro Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS/Enviro Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to initiating pressure tests
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**General Surface COAs**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

**Site Specific Conditions of Approval**

This well is located within the Saddletree Draw Leasing and Rock House Development EA project boundary, **the COAs approved in the Final EA Record of Decision are also applicable to approval of this proposed action.**

- The road and pipeline routes submitted with the APD were previously approved via a right-of-way application.
- All permanent facilities, not regulated by OSHA, shall be painted the same color, **Olive Black (5WA20-6)**; within six months of installation.
- A closed loop drilling system will be used.
- All areas of disturbance (including surface pipelines) must have appropriate surface use agreements or approvals in place with the proper owner and/or agency before such action is started.
- Conditions as set forth by those owners and/or agencies.

## **DOWNHOLE CONDITIONS OF APPROVAL**

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- A Cement Bond Log (CBL) shall be run from the TD to the top of cement. A field copy of the CBL shall be submitted to the BLM Vernal Field Office for review.

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment BOPE shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources such as Gilsonite, tar sands, oil shale, trona, etc. to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth from KB or GL of encounter, vertical footage of the encounter and, the name of the person making the report along with a telephone number should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log CBL will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.



## **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" Oil and Gas Operations Report OGOR starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 303 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location  $\frac{1}{4}$  Sec., Twn, Rng, and P.M..
  - Date well was placed in a producing status date of first production for which royalty will be paid.
  - The nature of the well's production, i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons.
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees NTL 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events fires, accidents, blowouts, spills, discharges as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" BLM Form 3160-4 shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data

obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples cuttings, fluid, and/or gas shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" Form BLM 3160-5 must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76281
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: n/a
4. LOCATION OF WELL FOOTAGES AT SURFACE: 884' FNL - 1858' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 30 10S 23E S		8. WELL NAME and NUMBER: Rock House 10-23-12-30
PHONE NUMBER: (303) 350-5114		9. API NUMBER: 4304736547
		10. FIELD AND POOL, OR WILDCAT: Wildcat
		COUNTY: Uintah
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 4/9/2008	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Request for APD Change
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

- BOPE will be changed:  
from: 3,000#'s  
to: 5,000#'s
- Surface pipe will be changed:  
from: 8-5/8"  
to: 9-5/8"
- Move SHL 10' closer to Rock House 10-23-11-30 Well to accommodate drilling rig safely and fit on drilling pad without expanding drilling pad.
  - Move SHL from: NENW 884' FNL - 1,858' FWL
  - Move SHL to: NENW 874' FNL - 1,859' FWL
  - Proposed BHL remains the same and will not change.
  - See Pad Layout, "Sheet 2 of 10" attached.

639165X  
4420463Y  
39.924733  
- 109.371528

NAME (PLEASE PRINT) Alvin R. (Al) Arlian TITLE Landman - Regulatory Specialist  
SIGNATURE  DATE 4/9/2008

(This space for State use only)

Approved by the  
Utah Division of  
Oil, Gas and Mining

COPY SENT TO OPERATOR

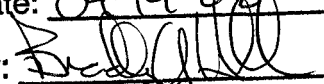
Date: 4-15-2008

Initials: KS

RECEIVED

APR 11 2008

DIV. OF OIL, GAS & MINING

Date: 04-14-08  
By: 

# ENDURING RESOURCES

## WELL PAD INTERFERENCE PLAT

ROCK HOUSE 10-23-12-30, ROCK HOUSE 10-23-31-30, ROCK HOUSE 10-23-11-30, ROCK HOUSE 10-23-32-30, ROCK HOUSE 10-23-22-30 & ROCK HOUSE 10-23-21-30

N

### SURFACE POSITION FOOTAGES:

ROCK HOUSE 10-23-31-30  
830' FNL & 1866' FWL

ROCK HOUSE 10-23-21-30  
845' FNL & 1864' FWL

ROCK HOUSE 10-23-11-30  
860' FNL & 1862' FWL

ROCK HOUSE 10-23-12-30  
874' FNL & 1859' FWL

ROCK HOUSE 10-23-22-30  
889' FNL & 1857' FWL

ROCK HOUSE 10-23-32-30  
904' FNL & 1855' FWL

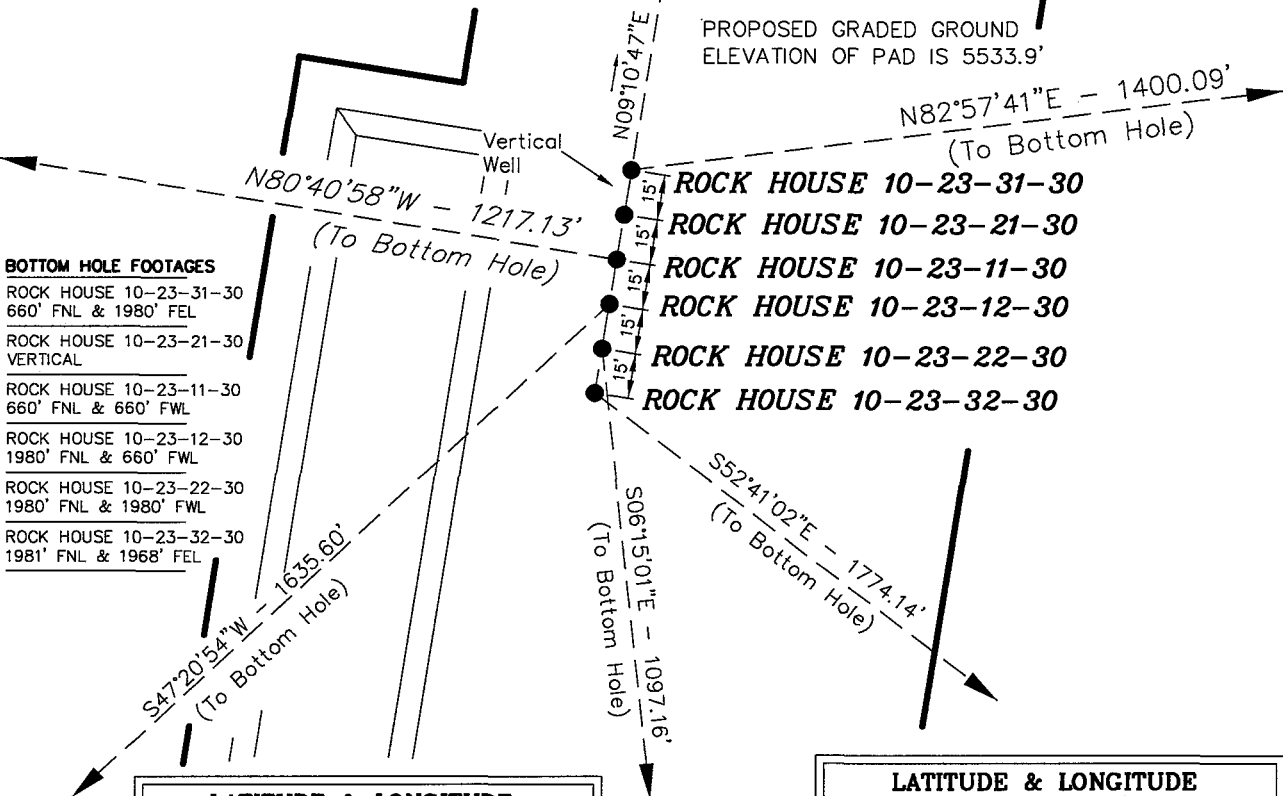
### RELATIVE COORDINATES

From Surface Position to Bottom Hole

WELL	NORTH	EAST
31-30	172'	1,390'
21-30	VERTICAL	
11-30	197'	-1,201'
12-30	-1,108'	-1,203'
22-30	-1,091'	119'
32-30	-1,076'	1,411'

BASIS OF BEARINGS IS THE WEST LINE OF THE SW 1/4 OF SECTION 30, T10S, R23E, S.L.B.&M. WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR N00°22'18"W.

BASIS OF ELEVATION IS TRIANGULATION STATION JEK 19 ET 1966 WHICH IS LOCATED NEAR THE SOUTH 1/4 CORNER OF SECTION 8, T11S, R23E, S.L.B.&M. THE ELEVATION OF THIS TRIANGULATION STATION IS SHOWN ON THE ARCHY BENCH SE 7.5 MIN. QUADRANGLE AS BEING 6054'.



### BOTTOM HOLE FOOTAGES

ROCK HOUSE 10-23-31-30  
660' FNL & 1980' FEL

ROCK HOUSE 10-23-21-30  
VERTICAL

ROCK HOUSE 10-23-11-30  
660' FNL & 660' FWL

ROCK HOUSE 10-23-12-30  
1980' FNL & 660' FWL

ROCK HOUSE 10-23-22-30  
1980' FNL & 1980' FWL

ROCK HOUSE 10-23-32-30  
1981' FNL & 1968' FEL

### LATITUDE & LONGITUDE

Bottom Hole - (NAD 83) Autonomous

WELL	N. LATITUDE	W. LONGITUDE
31-30	39°55'31.06"	109°22'02.32"
21-30	VERTICAL	
11-30	39°55'31.02"	109°22'35.62"
12-30	39°55'17.98"	109°22'35.68"
22-30	39°55'18.01"	109°22'18.74"
32-30	39°55'18.01"	109°22'02.20"

### LATITUDE & LONGITUDE

Surface Position - (NAD 83) Autonomous

WELL	N. LATITUDE	W. LONGITUDE
31-30	39°55'29.37"	109°22'20.15"
21-30	39°55'29.22"	109°22'20.18"
11-30	39°55'29.08"	109°22'20.21"
12-30	39°55'28.93"	109°22'20.24"
22-30	39°55'28.78"	109°22'20.27"
32-30	39°55'28.64"	109°22'20.30"

Section 30 T10S, R23E, S.L.B.&M.

Qtr/Qtr Location: NE NW (Surface)

Date Surveyed:  
12-31-05

Date Drawn:  
12-30-05

Date Last Revision:  
04-08-08

Surveyed By: K.R.K.

Drawn By: M.W.W.

Scale: 1" = 60'

**Timberline**

(435) 789-1365

Engineering & Land Surveying, Inc.

38 WEST 100 NORTH VERNAL, UTAH 84078

SHEET

2

OF 10

CONFIDENTIAL

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: ENDURING RESOURCES, LLC

Well Name: ROCK HOUSE 10-23-12-30

Api No: 43-047-36547 Lease Type: FED-FEE SURF

Section 30 Township 10S Range 23E County UINTAH

Drilling Contractor \_\_\_\_\_ RIG # \_\_\_\_\_

**SPUDDED:**

Date 05/20/08

Time \_\_\_\_\_

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by JAY LEWIS

Telephone # (435) 828-5981

Date 05/21//08 Signed CHD

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**Operator: Enduring Resources, LLCOperator Account Number: N 2750Address: 475 17th Street, Suite 1500city Denverstate COzip 80202Phone Number: (303) 350-5114**Well 1**

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304736547	Rock House 10-23-12-30	NENW	30	10S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	16859	5/18/2008	5/29/08		
<b>Comments:</b> This is a directional well. The BHL is the <u>SWNW</u> of 30-10S-23E. <u>CSLGT = MVRD</u>						

**CONFIDENTIAL****Well 2**

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304738477	Rock House 10-23-22-30	NENW	30	10S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	16860	5/18/2008	5/29/08		
<b>Comments:</b> This is a directional well. The BHL is the <u>SENW</u> of 30-10S-23E. <u>MVRD</u>						

**CONFIDENTIAL****Well 3**

API Number	Well Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
<b>Comments:</b>						

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Alvin R. (Al) Arlian

Name (Please Print)

Signature

Landman-Regulatory

Title

5/28/2008

**RECEIVED****MAY 28 2008**

DIV. OF OIL, GAS &amp; MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76281
2. NAME OF OPERATOR: Enduring Resources, LLC	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202	7. UNIT or CA AGREEMENT NAME: n/a
PHONE NUMBER: (303) 350-5114	8. WELL NAME and NUMBER: Rock House 10-23-12-30
9. API NUMBER: 4304736547	10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL FOOTAGES AT SURFACE: 874' FNL - 1,859' FWL COUNTY: Uintah QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 30 10S 23E S STATE: UTAH
--

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: Conductor and Surface Pipe Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 6/18/2008			


12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

5-28-2008 MI Conductor Rig. Drill 40' of 20" hole and set 40' of 14" conductor w/ 3 yards of Ready Mix Cement. Waiting to drill and set surface pipe.

6-11-2008 to 6-17-2008 DRILL 12 1/4" SURFACE HOLE TO 2077'. Run 50 joints 9-5/8" - 36 lb/ft., 8 rd, ST&C, J-55 and cement as follows:

Stage: 1, Lead, 0 200 sxs, PREMIUM, Other, 3.82, 11  
Stage: 2, Tail, 0, 275 sxs, PREMIUM, 1.15, 15.8  
Stage: 1, Top Out, 0, 75 sxs, PREMIUM, 1.15, 15.8.

6-18-2008 Test 9-5/8" to 1500#'s, finishing rig repair, and will drill out.

NAME (PLEASE PRINT) Alvin R. (Al) Arlian	TITLE Landman - Regulatory Specialist
SIGNATURE 	DATE 6/18/2008

(This space for State use only)

RECEIVED  
JUN 20 2008  
DIV. OF OIL, GAS & MINING

CONFIDENTIAL

FORM 9

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76281
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: n/a
4. LOCATION OF WELL FOOTAGES AT SURFACE: 874' FNL - 1,859' FWL		8. WELL NAME and NUMBER: Rock House 10-23-12-30
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 30 10S 23E S		9. API NUMBER: 4304736547
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Wildcat
STATE: UTAH		

**CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 8/1/2008	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

In order to prevent waste of gas, as defined by law; to protect the correlative rights of all parties concerned; to prevent the drilling of un-necessary wells; and to insure proper and efficient development and promote conservation of the gas resources of the State of Utah, Enduring Resources, LLC respectfully request approval to perforate and commingle the Wasatch and Mesaverde formations "pools" in the same well bore.

- Ownership in both formations is the same. However, in the event allocation of production is necessary, that allocation will be based on proportionate net pay based on well logs.
- These formations shall be commingled in the well bore and produced concurrently in a single string of 2-3/8" production tubing.
- Attached is a map showing the location of wells on contiguous oil and gas leases and/or production units.
- Also attached is an affidavit confirming that this application has been provided to leasehold interest owners in contiguous oil and gas lease or production units overlying the "pool."

**COPY SENT TO OPERATOR**Date: 7-23-2008Initials: KLS

NAME (PLEASE PRINT) Alvin R. (Al) Arlian TITLE Landman - Regulatory Specialist  
SIGNATURE [Signature] DATE 6/27/2008

(This space for State use only)

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Federal Approval Of This  
Action Is Necessary

Date: 7/22/08  
By: [Signature]  
(See Instructions on Reverse Side)

**RECEIVED****JUN 30 2008**

DIV. OF OIL, GAS &amp; MINING



**ENDURING RESOURCES, LLC**

425 Seventeenth Street, Suite 1500

Denver, Colorado 80202

Telephone: 303-573-1222

Facsimile: 303-573-0461

May 16, 2008

Forest Oil Corporation  
707-17<sup>th</sup> Street, Suite 3600  
Denver, Colorado 80202-4966

**CERTIFIED MAIL**

**ARTICLE NO: 0063450000142729420**

Attention: Land Department

**RE: Commingling Application  
Rock House 10-23-12-30  
Sec. 30, T10S-R23E (BHL = SWNW, SHL = NENW)  
Uintah County, Utah**

Dear Leasehold Interest Owner:

Enduring Resources, LLC ("Enduring") has filed an application with the State of Utah Division of Oil, Gas, and Mining requesting approval of the Wasatch and Mesaverde formations (pools) in the above-referenced well to be commingled.

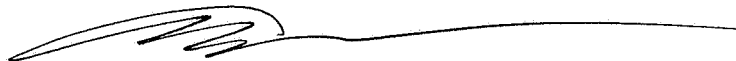
Ownership in both formations is the same. However, in the event allocation of production is necessary, that allocation will be based on proportionate net pay based on well logs. These formations (pools) shall be commingled in the well's well bore.

Attached is a map showing the location of wells on contiguous oil and gas leases and/or production units. Also attached is an affidavit confirming that this application has been provided to leasehold interest owners in contiguous oil and gas leases or production units overlying the commingled pools (commingled formations).

Should you have any questions concerning this matter, please do not hesitate to call (303-350-5114)

Very truly yours

**ENDURING RESOURCES, LLC**



Alvin R. (Al) Arlian  
Landman – Regulatory Specialist

ara/

Attachments as stated:

**ENDURING RESOURCES, LLC**

425 Seventeenth Street, Suite 1500

Denver, Colorado 80202

Telephone: 303-573-1222

Facsimile: 303-573-0461

May 16, 2008

Anadarko Petroleum Corporation  
Granite Tower  
1099 18th St. #1200  
Denver, CO 80202  
Attention: Land Department

**CERTIFIED MAIL**

**ARTICLE NO: 70063450000142729437**

**RE: Commingling Application  
Rock House 10-23-12-30  
Sec. 30, T10S-R23E (BHL = SWNW, SHL = NENW)  
Uintah County, Utah**

Dear Leasehold Interest Owner:

Enduring Resources, LLC ("Enduring") has filed an application with the State of Utah Division of Oil, Gas, and Mining requesting approval of the Wasatch and Mesaverde formations (pools) in the above-referenced well to be commingled.

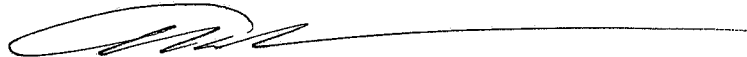
Ownership in both formations is the same. However, in the event allocation of production is necessary, that allocation will be based on proportionate net pay based on well logs. These formations (pools) shall be commingled in the well's well bore.

Attached is a map showing the location of wells on contiguous oil and gas leases and/or production units. Also attached is an affidavit confirming that this application has been provided to leasehold interest owners in contiguous oil and gas leases or production units overlying the commingled pools (commingled formations).

Should you have any questions concerning this matter, please do not hesitate to call (303-350-5114)

Very truly yours

**ENDURING RESOURCES, LLC**



Alvin R. (Al) Arlian  
Landman – Regulatory Specialist

ara/

Attachments as stated:

# AFFIDAVIT OF MAILING

Statue of Colorado       )  
City and                       )ss.  
County of Denver        )

Alvin R. Arlian (hereinafter sometimes referred to as "Affiant"), of lawful age, being first duly sworn upon oath, deposes and says:

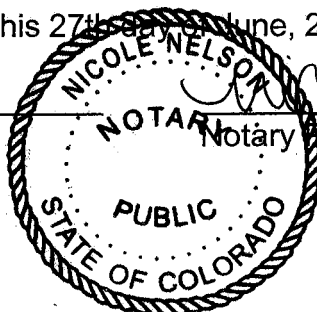
1. Affiant is a Landman-Regulatory Specialist for Enduring Resources, LLC (hereinafter sometimes referred to as "Enduring") whose address is 475-17<sup>th</sup> Street, Denver, Colorado 80202,
2. Enduring is the operator of the following described oil and gas well:  
  
**Rock House 10-23-12-30**  
**Sec. 30, T10S-R23E     (BHL = SWNW,   SHL = NENW)**  
**Uintah County, Utah**
3. A cursory search of applicable records confirmed that the following parties are the only leasehold interest owners in the contiguous oil and gas wells, contiguous oil and gas leases, or contiguous oil and gas well production units overlying the "pool."
  1. Forest Oil Corporation
  2. Anadarko Petroleum Corporation
  - 3.
  - 4.
4. On Friday, June 27, 2008 Affiant mailed (or caused to be mailed) in U.S. Mail, with postage prepaid, a copy of the attached Application for Commingling two or more pools (formations) in one well bore of the well described in Paragraph No. 2 above which said Application for Commingling (Form 9) has/had concurrently been filed with the State of Utah Division of Oil, Gas, and Mining (and if applicable, copies sent to SITLA, and the Bureau of Land Management), and
5. Attached is a map showing the location of wells' located on contiguous oil and gas leases and/or production units.

Affiant saith no more.

  
Alvin R. Arlian, Affiant

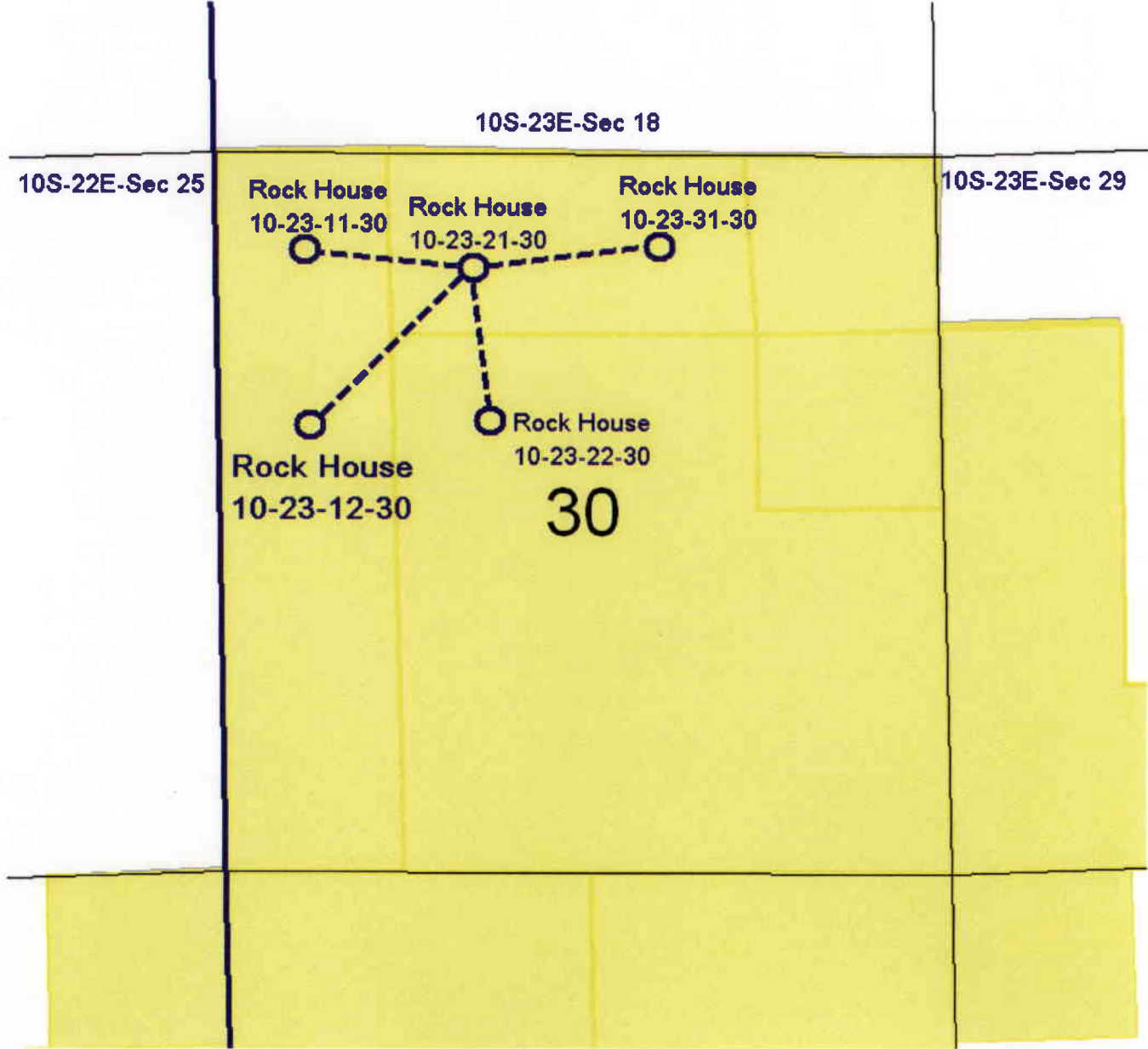
Scribed and sworn to before me this 27<sup>th</sup> day of June, 2008 by Alvin R. Arlian.

2/25/2012  
My Commission Expires:



My Commission Expires 02/25/2012

MAP ATTACHED TO ENDURING RESOURCES LLC COMMINGLING APPLICATION FOR  
ROCK HOUSE 10-23-12-30 LOCATED IN THE SW-NW SEC. 30, T10S-R23E



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
Enduring Resources, LLC

3. ADDRESS OF OPERATOR:  
475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202

PHONE NUMBER:  
(303) 350-5114

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 874' FNL - 1,859' FWL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 30 10S 23E S

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU-76281

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
n/a

7. UNIT or CA AGREEMENT NAME:  
n/a

8. WELL NAME and NUMBER:  
Rock House 10-23-12-30

9. API NUMBER:  
4304736547

10. FIELD AND POOL, OR WILDCAT:  
Wildcat

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 8/27/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: First Gas Sales Notice
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

First gas sales 8-25-2008.

Completion Report to Follow.

NAME (PLEASE PRINT) Alvin R. (Al) Arlian

TITLE Landman - Regulatory Specialist

SIGNATURE

DATE 8/27/2008

(This space for State use only)

RECEIVED  
SEP 02 2008  
DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

AMENDED REPORT ☐  
(highlight changes)

FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76281
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR: Enduring Resources, LLC		7. UNIT or CA AGREEMENT NAME N/A
3. ADDRESS OF OPERATOR: 475 17th St, Suite 1500 CITY Denver STATE CO ZIP 80202		8. WELL NAME and NUMBER: Rock House 10-23-12-30
PHONE NUMBER: (303) 573-1222		9. API NUMBER: 4304736547
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 874' FNL-1859' FWL, NENW AT TOP PRODUCING INTERVAL REPORTED BELOW: 1980' FNL-660' FWL, SWNW, Sec 30,10S, 23E AT TOTAL DEPTH: 1980' FNL-660' FWL, SWNW, Sec 30,10S, 23E		10 FIELD AND POOL, OR WILDCAT Wildcat
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 30 10S 23E S		12. COUNTY Uintah
13. STATE UTAH		14. DATE SPURRED: 6/11/2008
15. DATE T.D. REACHED: 6/25/2008		16. DATE COMPLETED: 8/25/2008
17. ELEVATIONS (DF, RKB, RT, GL): 5550 RKB		18. TOTAL DEPTH: MD 8,395 TVD 8,121
19. PLUG BACK T.D.: MD 8,386 TVD 8,112		20. IF MULTIPLE COMPLETIONS, HOW MANY? * 10
21. DEPTH BRIDGE PLUG SET: TVD		22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) Previously submitted. SD, DSN, ACTR

per HSM review

23. WAS WELL CORED?	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>	(Submit analysis)
WAS DST RUN?	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>	(Submit report)
DIRECTIONAL SURVEY?	NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/>	(Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14"	line pipe	0	40		3 yards		0 (CIR)	0
12-1/4"	9 5/8 K55	36#	16	2,077		CI G 550	208	16 (CIR)	0
7-7/8"	4 1/2 N80	11.60#	16	8,395		CI G 1,370	392	16 (CIR)	0

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	5,119							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Wasatch	5,192	5,667	4,925	5,399	5,192 - 5,667	.38"	48	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) Mesaverde	6,396	8,320	6,126	8,047	6,396 - 8,320	.38"	267	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5192 - 5667	Placed 12,824 lbs Ottawa 30/50 proppant in Wasatch formation
6396 - 8320	Placed 398,983 lbs Ottawa 30/50 proppant in Mesaverde formation

29. ENCLOSED ATTACHMENTS:

<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS	<input type="checkbox"/> GEOLOGIC REPORT	<input type="checkbox"/> DST REPORT	<input checked="" type="checkbox"/> DIRECTIONAL SURVEY
<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION	<input type="checkbox"/> CORE ANALYSIS	<input type="checkbox"/> OTHER: _____	

30. WELL STATUS:

Producing

RECEIVED

SEP 25 2008

DIV. OF OIL, GAS & MINING

## 31. INITIAL PRODUCTION

## INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 8/25/2008		TEST DATE: 9/12/2008		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 1,010	WATER – BBL: 0	PROD. METHOD: flowing
CHOKE SIZE: 22/64	TBG. PRESS.	CSG. PRESS. 100	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 1,010	WATER – BBL: 0	INTERVAL STATUS: Producing

## INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

## 33. SUMMARY OF POROUS ZONES (include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Green River Wasatch Mesaverde	1,115 3,901 5,900

## 35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Kevin Lee

TITLE Engineering Tech

SIGNATURE

DATE 8/23/2008

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940



**Weatherford**

## **Drilling Services**

---

## **COMPLETION**

---



## **ENDURING RESOURCES, INC.**

ROCK HOUSE 10-23-12-30

UINTAH COUNTY, UTAH

WELL FILE:FINAL

JUNE 26, 2008

---

---

**Weatherford International, Ltd.**  
2000 OIL DRIVE  
CASPER WYOMING USA  
+1.307.268.7900 Main  
+1.307.235.3958 Fax  
[www.weatherford.com](http://www.weatherford.com)





# ENDURING RESOURCES, L.L.C.

ROCK HOUSE 10-23-12-30  
SEC. 30, T10S, R23E  
UINTAH COUNTY, UTAH

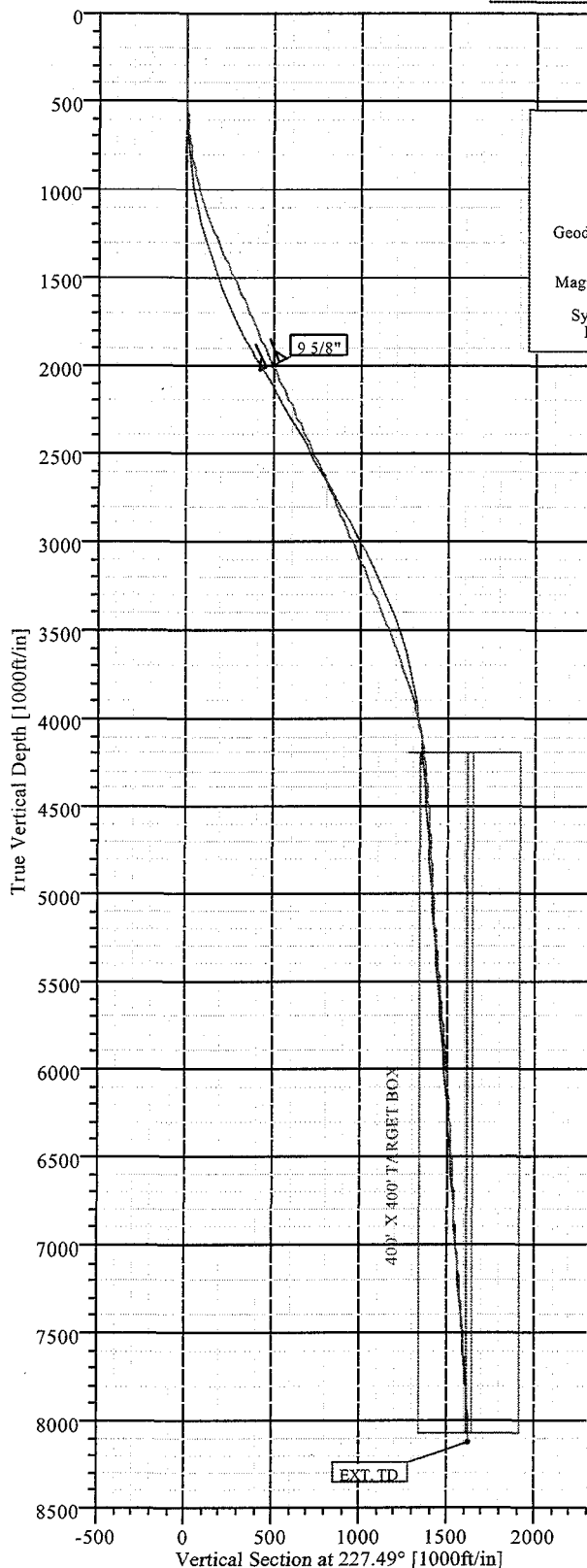


## Weatherford®

Survey: Survey #1 (ROCK HOUSE 10-23-12-30/1)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
262	8395.00	3.06	228.70	8121.01	-1099.90	-1199.71	0.00	0.00	1627.60

KB ELV: 5562.90'  
GR ELV: 5533.90'



### FIELD DETAILS

Uintah Basin (NAD 83)  
Uintah County, Utah  
USA

Geodetic System: US State Plane Coordinate System 1983  
Ellipsoid: GRS 1980  
Zone: Utah, Central Zone  
Magnetic Model: bggm2007

System Datum: Mean Sea Level  
Local North: True North



Azimuths to True North  
Magnetic North: 11.45°

Magnetic Field  
Strength: 52665nT  
Dip Angle: 65.92°  
Date: 3/12/2008  
Model: bggm2007

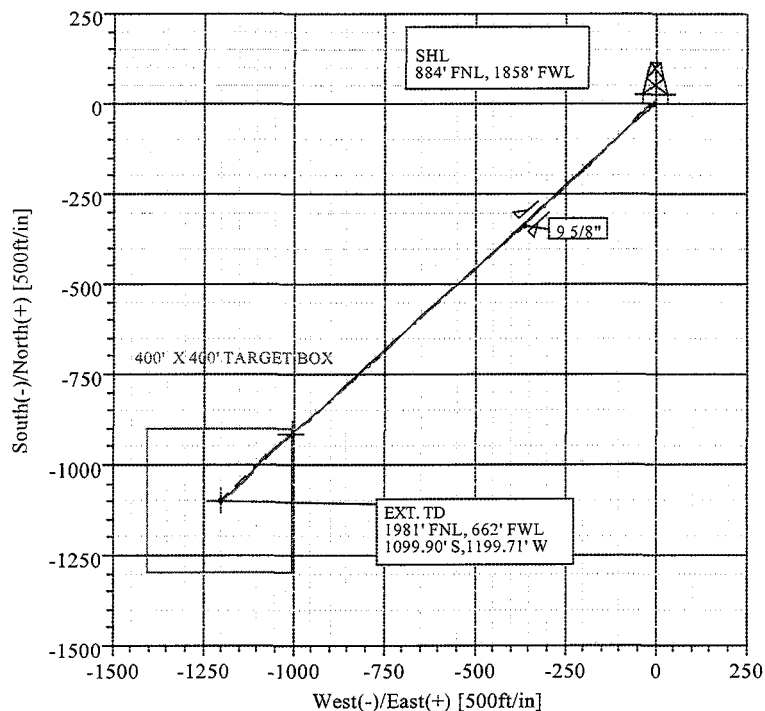
TOTAL CORRECTION TO TRUE NORTH: 11.45°

### ANNOTATIONS

No.	TVD	MD	Annotation
1	8121.01	8395.00	EXT. TD

### TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
ENTRY PT	4200.00	-915.65	-1001.54	Point
PBHL 12-30	8075.00	-1098.50	-1201.54	Rectangle (400x400)



Survey: Survey #1 (ROCK HOUSE 10-23-12-30/1)

Created By: Robert Scott

Date: 6/26/2008

# Weatherford Drilling Services

## SURVEY REPORT



**Weatherford**

<b>Company:</b> Enduring Resources <b>Field:</b> Uintah Basin (NAD 83) <b>Site:</b> ROCK HOUSE 10-23-12-30 <b>Well:</b> ROCK HOUSE 10-23-12-30 <b>Wellpath:</b> 1	<b>Date:</b> 6/25/2008 <b>Time:</b> 08:28:43 <b>Page:</b> 1 <b>Co-ordinate(NE) Reference:</b> Well: ROCK HOUSE 10-23-12-30, True North <b>Vertical (TVD) Reference:</b> SITE 5562.9 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,227.48Azi) <b>Survey Calculation Method:</b> Minimum Curvature <b>Db:</b> Sybase
---	---

<b>Survey:</b> Survey #1  <b>Company:</b> Weatherford Drilling Services <b>Tool:</b> MWD;MWD - Standard	<b>Start Date:</b> 6/25/2008  <b>Engineer:</b> Robert Scott <b>Tied-to:</b> From Surface
--	---

<b>Field:</b> Uintah Basin (NAD 83) Uintah County, Utah USA <b>Map System:</b> JS State Plane Coordinate System 1983 <b>Geo Datum:</b> GRS 1980 <b>Sys Datum:</b> Mean Sea Level	<b>Map Zone:</b> Utah, Central Zone <b>Coordinate System:</b> Well Centre <b>Geomagnetic Model:</b> bggm2007
---	--

<b>Site:</b> ROCK HOUSE 10-23-12-30			
UINTAH BASIN			
<b>Site Position:</b>	<b>Northing:</b> 7148397.85 ft	<b>Latitude:</b> 39 55 28.830 N	
<b>From:</b> Geographic	<b>Easting:</b> 2237064.09 ft	<b>Longitude:</b> 109 22 20.260 W	
<b>Position Uncertainty:</b> 0.00 ft		<b>North Reference:</b> True	
<b>Ground Level:</b> 5533.90 ft		<b>Grid Convergence:</b> 1.36 deg	

<b>Well:</b> ROCK HOUSE 10-23-12-30	<b>Slot Name:</b>
<b>Well Position:</b> +N/-S 0.00 ft	<b>Northing:</b> 7148397.85 ft
+E/-W 0.00 ft	<b>Easting:</b> 2237064.09 ft
<b>Position Uncertainty:</b> 0.00 ft	<b>Latitude:</b> 39 55 28.830 N
	<b>Longitude:</b> 109 22 20.260 W

<b>Wellpath:</b> 1  <b>Current Datum:</b> SITE <b>Magnetic Data:</b> 3/12/2008 <b>Field Strength:</b> 52665 nT <b>Vertical Section: Depth From (TVD)</b>	<b>Drilled From:</b> Surface <b>Tie-on Depth:</b> 0.00 ft <b>Above System Datum:</b> Mean Sea Level <b>Declination:</b> 11.45 deg <b>Mag Dip Angle:</b> 65.92 deg <b>+N/-S</b> <b>+E/-W</b> <b>Direction</b> ft                    ft                    deg
0.00	0.00      0.00      227.48

### Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
119.00	0.75	329.45	119.00	0.67	-0.40	-0.16	0.63	0.63	0.00	
151.00	0.63	339.20	150.99	1.02	-0.56	-0.27	0.52	-0.37	30.47	
182.00	0.69	332.33	181.99	1.34	-0.71	-0.38	0.32	0.19	-22.16	
213.00	0.50	328.58	212.99	1.62	-0.87	-0.45	0.63	-0.61	-12.10	
244.00	0.69	332.20	243.99	1.90	-1.03	-0.53	0.62	0.61	11.68	
276.00	0.63	324.20	275.99	2.21	-1.22	-0.60	0.34	-0.19	-25.00	
306.00	0.50	333.20	305.99	2.47	-1.38	-0.65	0.52	-0.43	30.00	
337.00	0.63	331.08	336.98	2.74	-1.52	-0.73	0.42	0.42	-6.84	
367.00	0.50	316.08	366.98	2.97	-1.69	-0.76	0.65	-0.43	-50.00	
398.00	0.63	284.58	397.98	3.11	-1.95	-0.67	1.07	0.42	-101.61	
429.00	0.88	263.45	428.98	3.13	-2.35	-0.38	1.19	0.81	-68.16	
459.00	1.44	246.83	458.97	2.96	-2.92	0.16	2.16	1.87	-55.40	
490.00	1.94	244.33	489.96	2.57	-3.76	1.03	1.63	1.61	-8.06	
521.00	2.50	240.95	520.94	2.02	-4.82	2.19	1.85	1.81	-10.90	
552.00	3.11	237.05	551.90	1.23	-6.12	3.67	2.06	1.97	-12.58	
582.00	3.94	235.83	581.84	0.21	-7.65	5.50	2.78	2.77	-4.07	
613.00	4.81	234.08	612.75	-1.15	-9.59	7.84	2.84	2.81	-5.65	
643.00	5.56	232.20	642.63	-2.78	-11.75	10.54	2.56	2.50	-6.27	
674.00	6.25	232.20	673.46	-4.73	-14.27	13.72	2.23	2.23	0.00	
705.00	6.81	227.83	704.26	-7.00	-16.97	17.24	2.41	1.81	-14.10	
735.00	7.56	228.33	734.03	-9.51	-19.76	20.99	2.51	2.50	1.67	
766.00	8.25	226.45	764.73	-12.39	-22.90	25.25	2.38	2.23	-6.06	
796.00	9.25	225.33	794.38	-15.57	-26.17	29.81	3.38	3.33	-3.73	

# Weatherford Drilling Services

## SURVEY REPORT



**Weatherford**

<b>Company:</b> Enduring Resources <b>Field:</b> Uintah Basin (NAD 83) <b>Site:</b> ROCK HOUSE 10-23-12-30 <b>Well:</b> ROCK HOUSE 10-23-12-30 <b>Wellpath:</b> 1	<b>Date:</b> 6/25/2008 <b>Time:</b> 08:28:43 <b>Page:</b> 2 <b>Co-ordinate(NE) Reference:</b> Well: ROCK HOUSE 10-23-12-30, True North <b>Vertical (TVD) Reference:</b> SITE 5562.9 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,227.48Azi) <b>Survey Calculation Method:</b> Minimum Curvature <b>Db:</b> Sybase
---	---

### Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
827.00	10.38	224.33	824.93	-19.32	-29.89	35.09	3.69	3.65	-3.23	
858.00	11.44	223.95	855.37	-23.53	-33.98	40.95	3.43	3.42	-1.23	
890.00	12.25	223.33	886.68	-28.29	-38.51	47.50	2.56	2.53	-1.94	
919.00	13.13	223.58	914.98	-32.91	-42.89	53.86	3.04	3.03	0.86	
950.00	13.81	223.83	945.12	-38.13	-47.88	61.06	2.20	2.19	0.81	
980.00	14.63	223.83	974.20	-43.45	-52.99	68.42	2.73	2.73	0.00	
1011.00	15.56	224.58	1004.13	-49.23	-58.62	76.48	3.07	3.00	2.42	
1043.00	16.63	224.20	1034.88	-55.57	-64.82	85.34	3.36	3.34	-1.19	
1075.00	17.44	223.83	1065.48	-62.32	-71.33	94.69	2.55	2.53	-1.16	
1106.00	18.25	224.20	1094.98	-69.15	-77.94	104.18	2.64	2.61	1.19	
1138.00	19.13	224.45	1125.30	-76.48	-85.10	114.41	2.76	2.75	0.78	
1170.00	20.25	225.33	1155.42	-84.12	-92.71	125.18	3.62	3.50	2.75	
1201.00	21.13	225.95	1184.42	-91.78	-100.54	136.13	2.93	2.84	2.00	
1232.00	21.75	225.70	1213.28	-99.67	-108.67	147.46	2.02	2.00	-0.81	
1265.00	22.44	226.08	1243.86	-108.31	-117.58	159.87	2.14	2.09	1.15	
1297.00	22.88	225.83	1273.39	-116.88	-126.44	172.19	1.41	1.37	-0.78	
1329.00	23.25	226.20	1302.83	-125.59	-135.46	184.72	1.24	1.16	1.16	
1361.00	23.69	226.20	1332.18	-134.41	-144.66	197.46	1.37	1.37	0.00	
1392.00	23.56	225.45	1360.58	-143.07	-153.57	209.88	1.06	-0.42	-2.42	
1424.00	23.75	225.70	1389.89	-152.05	-162.74	222.71	0.67	0.59	0.78	
1456.00	24.50	226.83	1419.10	-161.09	-172.19	235.79	2.75	2.34	3.53	
1487.00	24.94	227.45	1447.26	-169.91	-181.70	248.75	1.65	1.42	2.00	
1519.00	24.81	227.45	1476.29	-179.01	-191.61	262.21	0.41	-0.41	0.00	
1551.00	24.69	227.45	1505.35	-188.07	-201.48	275.61	0.37	-0.37	0.00	
1583.00	24.50	227.95	1534.45	-197.04	-211.33	288.93	0.88	-0.59	1.56	
1615.00	24.50	227.70	1563.56	-205.95	-221.17	302.20	0.32	0.00	-0.78	
1646.00	24.00	228.08	1591.83	-214.48	-230.61	314.93	1.69	-1.61	1.23	
1678.00	23.75	227.58	1621.09	-223.18	-240.21	327.88	1.01	-0.78	-1.56	
1710.00	24.19	227.70	1650.33	-231.94	-249.82	340.88	1.38	1.37	0.37	
1741.00	23.94	227.08	1678.64	-240.50	-259.12	353.52	1.15	-0.81	-2.00	
1773.00	24.00	227.58	1707.88	-249.31	-268.68	366.52	0.66	0.19	1.56	
1805.00	24.06	227.08	1737.10	-258.14	-278.26	379.55	0.66	0.19	-1.56	
1837.00	23.56	226.08	1766.38	-267.02	-287.65	392.47	2.01	-1.56	-3.12	
1869.00	23.56	226.70	1795.71	-275.84	-296.91	405.26	0.77	0.00	1.94	
1900.00	24.13	227.95	1824.07	-284.33	-306.12	417.79	2.46	1.84	4.03	
1932.00	24.13	227.83	1853.27	-293.10	-315.83	430.87	0.15	0.00	-0.37	
1964.00	23.56	226.58	1882.54	-301.89	-325.32	443.81	2.38	-1.78	-3.91	
1995.00	23.25	226.20	1910.99	-310.39	-334.23	456.12	1.11	-1.00	-1.23	
2021.00	23.56	227.08	1934.85	-317.48	-341.74	466.44	1.80	1.19	3.38	
2084.00	24.25	227.08	1992.44	-334.86	-360.44	491.97	1.10	1.10	0.00	
2115.00	24.25	227.08	2020.71	-343.53	-369.76	504.70	0.00	0.00	0.00	
2149.00	24.50	226.58	2051.68	-353.13	-380.00	518.74	0.95	0.74	-1.47	
2179.00	24.69	227.08	2078.96	-361.67	-389.10	531.22	0.94	0.63	1.67	
2211.00	25.00	228.20	2108.00	-370.73	-399.04	544.67	1.76	0.97	3.50	
2243.00	25.06	228.83	2136.99	-379.70	-409.18	558.20	0.85	0.19	1.97	
2275.00	25.13	228.70	2165.97	-388.65	-419.39	571.77	0.28	0.22	-0.41	
2307.00	25.31	228.33	2194.92	-397.68	-429.60	585.40	0.75	0.56	-1.16	
2338.00	25.50	228.08	2222.92	-406.54	-439.52	598.70	0.70	0.61	-0.81	
2369.00	25.50	227.95	2250.90	-415.47	-449.44	612.05	0.18	0.00	-0.42	
2401.00	25.13	229.33	2279.83	-424.51	-459.70	625.73	2.18	-1.16	4.31	
2433.00	25.00	229.58	2308.82	-433.32	-470.01	639.27	0.52	-0.41	0.78	
2465.00	25.13	229.33	2337.80	-442.14	-480.31	652.82	0.52	0.41	-0.78	

# Weatherford Drilling Services

## SURVEY REPORT



**Weatherford**

<b>Company:</b> Enduring Resources <b>Field:</b> Uintah Basin (NAD 83) <b>Site:</b> ROCK HOUSE 10-23-12-30 <b>Well:</b> ROCK HOUSE 10-23-12-30 <b>Wellpath:</b> 1	<b>Date:</b> 6/25/2008 <b>Time:</b> 08:28:43 <b>Page:</b> 3 <b>Co-ordinate(NE) Reference:</b> Well: ROCK HOUSE 10-23-12-30, True North <b>Vertical (TVD) Reference:</b> SITE 5562.9 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,227.48Azi) <b>Survey Calculation Method:</b> Minimum Curvature <b>Db:</b> Sybase
---	---

### Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
2496.00	25.25	229.08	2365.85	-450.76	-490.30	666.01	0.52	0.39	-0.81	
2528.00	25.19	228.83	2394.80	-459.71	-500.58	679.64	0.38	-0.19	-0.78	
2560.00	25.50	228.70	2423.72	-468.74	-510.88	693.34	0.98	0.97	-0.41	
2592.00	24.88	228.08	2452.68	-477.78	-521.06	706.95	2.11	-1.94	-1.94	
2623.00	24.06	228.45	2480.90	-486.33	-530.65	719.79	2.69	-2.65	1.19	
2655.00	24.13	228.20	2510.11	-495.02	-540.40	732.86	0.39	0.22	-0.78	
2686.00	24.31	227.83	2538.38	-503.52	-549.86	745.57	0.76	0.58	-1.19	
2718.00	24.94	228.20	2567.47	-512.44	-559.77	758.91	2.03	1.97	1.16	
2750.00	24.69	227.58	2596.51	-521.45	-569.73	772.34	1.13	-0.78	-1.94	
2782.00	24.31	227.95	2625.63	-530.37	-579.56	785.61	1.28	-1.19	1.16	
2813.00	24.44	228.20	2653.87	-538.92	-589.08	798.40	0.54	0.42	0.81	
2845.00	24.63	227.83	2682.98	-547.81	-598.95	811.69	0.76	0.59	-1.16	
2877.00	25.13	227.70	2712.01	-556.86	-608.92	825.15	1.57	1.56	-0.41	
2909.00	25.00	227.45	2741.00	-566.00	-618.93	838.71	0.52	-0.41	-0.78	
2941.00	23.94	228.45	2770.12	-574.88	-628.77	851.96	3.56	-3.31	3.12	
2972.00	23.06	228.95	2798.55	-583.04	-638.05	864.32	2.91	-2.84	1.61	
3004.00	22.75	228.08	2828.03	-591.29	-647.38	876.77	1.43	-0.97	-2.72	
3036.00	23.13	228.33	2857.50	-599.60	-656.68	889.24	1.23	1.19	0.78	
3068.00	23.31	227.58	2886.90	-608.05	-666.05	901.86	1.08	0.56	-2.34	
3099.00	23.44	227.32	2915.36	-616.37	-675.11	914.16	0.54	0.42	-0.84	
3131.00	23.50	226.57	2944.71	-625.07	-684.42	926.90	0.95	0.19	-2.34	
3163.00	23.88	226.07	2974.02	-633.95	-693.72	939.75	1.34	1.19	-1.56	
3194.00	23.81	225.20	3002.37	-642.71	-702.68	952.28	1.16	-0.23	-2.81	
3226.00	23.81	224.95	3031.65	-651.83	-711.83	965.19	0.32	0.00	-0.78	
3258.00	23.69	225.20	3060.94	-660.93	-720.95	978.06	0.49	-0.37	0.78	
3290.00	23.50	225.45	3090.26	-669.94	-730.06	990.86	0.67	-0.59	0.78	
3322.00	22.56	226.45	3119.71	-678.65	-739.06	1003.38	3.18	-2.94	3.12	
3353.00	22.38	226.58	3148.36	-686.80	-747.65	1015.22	0.60	-0.58	0.42	
3385.00	22.06	227.08	3177.98	-695.08	-756.48	1027.32	1.16	-1.00	1.56	
3417.00	21.88	226.70	3207.66	-703.26	-765.22	1039.30	0.72	-0.56	-1.19	
3449.00	22.13	226.33	3237.33	-711.51	-773.92	1051.28	0.89	0.78	-1.16	
3480.00	22.56	227.58	3266.00	-719.55	-782.53	1063.07	2.07	1.39	4.03	
3512.00	22.63	227.95	3295.54	-727.82	-791.64	1075.36	0.50	0.22	1.16	
3544.00	22.25	226.70	3325.12	-736.10	-800.62	1087.58	1.91	-1.19	-3.91	
3576.00	22.31	226.33	3354.73	-744.45	-809.42	1099.71	0.48	0.19	-1.16	
3607.00	22.50	226.70	3383.39	-752.58	-817.99	1111.52	0.76	0.61	1.19	
3639.00	22.81	228.20	3412.92	-760.91	-827.07	1123.85	2.05	0.97	4.69	
3671.00	23.00	228.95	3442.40	-769.15	-836.41	1136.30	1.09	0.59	2.34	
3702.00	22.63	228.33	3470.97	-777.09	-845.43	1148.32	1.42	-1.19	-2.00	
3734.00	22.19	226.83	3500.56	-785.32	-854.44	1160.51	2.25	-1.37	-4.69	
3766.00	21.81	226.58	3530.23	-793.54	-863.16	1172.50	1.22	-1.19	-0.78	
3798.00	22.00	227.58	3559.92	-801.67	-871.91	1184.44	1.31	0.59	3.12	
3829.00	22.31	228.33	3588.63	-809.50	-880.59	1196.13	1.35	1.00	2.42	
3861.00	22.50	228.20	3618.21	-817.62	-889.69	1208.32	0.61	0.59	-0.41	
3893.00	21.50	228.33	3647.88	-825.60	-898.63	1220.31	3.13	-3.12	0.41	
3925.00	20.63	229.08	3677.74	-833.19	-907.28	1231.81	2.85	-2.72	2.34	
3956.00	19.69	227.70	3706.84	-840.28	-915.26	1242.49	3.40	-3.03	-4.45	
3988.00	19.25	227.58	3737.01	-847.47	-923.15	1253.16	1.38	-1.37	-0.37	
4019.00	18.44	227.95	3766.35	-854.20	-930.56	1263.17	2.64	-2.61	1.19	
4051.00	17.56	228.08	3796.78	-860.81	-937.91	1273.06	2.75	-2.75	0.41	
4083.00	16.69	230.20	3827.37	-866.98	-945.03	1282.47	3.35	-2.72	6.62	
4114.00	15.94	230.20	3857.12	-872.55	-951.72	1291.17	2.42	-2.42	0.00	
4146.00	15.06	230.33	3887.95	-878.02	-958.30	1299.71	2.75	-2.75	0.41	

# Weatherford Drilling Services

## SURVEY REPORT



**Weatherford**

<b>Company:</b> Enduring Resources <b>Field:</b> Uintah Basin (NAD 83) <b>Site:</b> ROCK HOUSE 10-23-12-30 <b>Well:</b> ROCK HOUSE 10-23-12-30 <b>Wellpath:</b> 1	<b>Date:</b> 6/25/2008 <b>Time:</b> 08:28:43 <b>Page:</b> 4 <b>Co-ordinate(NE) Reference:</b> Well: ROCK HOUSE 10-23-12-30, True North <b>Vertical (TVD) Reference:</b> SITE 5562.9 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,227.48Azi) <b>Survey Calculation Method:</b> Minimum Curvature <b>Db:</b> Sybase
---	---

### Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
4178.00	14.63	229.70	3918.88	-883.29	-964.58	1307.90	1.44	-1.34	-1.97	
4210.00	13.88	230.20	3949.90	-888.36	-970.61	1315.78	2.38	-2.34	1.56	
4241.00	13.13	230.20	3980.04	-892.99	-976.17	1323.01	2.42	-2.42	0.00	
4273.00	12.31	230.08	4011.26	-897.51	-981.58	1330.05	2.56	-2.56	-0.37	
4305.00	11.63	231.70	4042.56	-901.70	-986.73	1336.67	2.37	-2.12	5.06	
4337.00	11.00	231.58	4073.94	-905.59	-991.65	1342.93	1.97	-1.97	-0.37	
4368.00	10.31	229.83	4104.40	-909.22	-996.09	1348.65	2.46	-2.23	-5.65	
4400.00	9.63	227.83	4135.92	-912.87	-1000.26	1354.19	2.38	-2.12	-6.25	
4432.00	8.56	228.70	4167.52	-916.23	-1004.03	1359.25	3.37	-3.34	2.72	
4464.00	7.63	229.08	4199.20	-919.20	-1007.43	1363.75	2.91	-2.91	1.19	
4495.00	6.81	229.08	4229.95	-921.75	-1010.37	1367.65	2.65	-2.65	0.00	
4527.00	5.81	230.45	4261.76	-924.02	-1013.06	1371.16	3.16	-3.12	4.28	
4558.00	4.81	229.08	4292.62	-925.87	-1015.25	1374.03	3.25	-3.23	-4.42	
4590.00	4.31	229.45	4324.52	-927.53	-1017.18	1376.57	1.57	-1.56	1.16	
4622.00	4.31	229.45	4356.43	-929.10	-1019.00	1378.98	0.00	0.00	0.00	
4654.00	4.25	228.08	4388.34	-930.67	-1020.80	1381.36	0.37	-0.19	-4.28	
4685.00	4.31	226.08	4419.26	-932.25	-1022.49	1383.68	0.52	0.19	-6.45	
4717.00	4.50	228.08	4451.16	-933.92	-1024.29	1386.13	0.76	0.59	6.25	
4749.00	4.19	232.45	4483.07	-935.47	-1026.15	1388.55	1.42	-0.97	13.66	
4781.00	4.13	235.08	4514.99	-936.84	-1028.03	1390.86	0.62	-0.19	8.22	
4812.00	4.13	237.08	4545.91	-938.09	-1029.88	1393.07	0.46	0.00	6.45	
4844.00	4.19	235.45	4577.82	-939.38	-1031.81	1395.36	0.41	0.19	-5.09	
4876.00	3.63	233.08	4609.75	-940.65	-1033.58	1397.53	1.82	-1.75	-7.41	
4907.00	3.50	234.20	4640.69	-941.79	-1035.13	1399.44	0.48	-0.42	3.61	
4939.00	3.38	234.70	4672.63	-942.91	-1036.69	1401.35	0.39	-0.37	1.56	
4971.00	3.31	233.95	4704.57	-944.00	-1038.21	1403.20	0.26	-0.22	-2.34	
5003.00	3.38	230.58	4736.52	-945.14	-1039.69	1405.06	0.65	0.22	-10.53	
5035.00	3.31	232.70	4768.47	-946.30	-1041.15	1406.93	0.44	-0.22	6.62	
5067.00	3.38	231.70	4800.41	-947.44	-1042.63	1408.79	0.28	0.22	-3.12	
5098.00	3.13	228.08	4831.36	-948.58	-1043.97	1410.54	1.04	-0.81	-11.68	
5130.00	3.19	227.20	4863.31	-949.76	-1045.28	1412.31	0.24	0.19	-2.75	
5162.00	3.13	226.33	4895.26	-950.97	-1046.56	1414.07	0.24	-0.19	-2.72	
5193.00	3.13	226.20	4926.22	-952.14	-1047.78	1415.76	0.02	0.00	-0.42	
5225.00	3.19	224.45	4958.17	-953.38	-1049.04	1417.53	0.35	0.19	-5.47	
5257.00	3.06	224.70	4990.12	-954.63	-1050.26	1419.27	0.41	-0.41	0.78	
5289.00	3.19	222.33	5022.07	-955.89	-1051.46	1421.01	0.57	0.41	-7.41	
5321.00	3.13	223.83	5054.03	-957.18	-1052.67	1422.77	0.32	-0.19	4.69	
5352.00	3.44	225.83	5084.97	-958.44	-1053.92	1424.54	1.07	1.00	6.45	
5384.00	3.75	226.83	5116.91	-959.82	-1055.37	1426.55	0.99	0.97	3.12	
5416.00	3.75	225.33	5148.84	-961.27	-1056.88	1428.64	0.31	0.00	-4.69	
5447.00	3.94	226.08	5179.77	-962.73	-1058.37	1430.72	0.63	0.61	2.42	
5479.00	4.13	231.20	5211.69	-964.21	-1060.06	1432.97	1.27	0.59	16.00	
5511.00	4.38	231.45	5243.61	-965.69	-1061.91	1435.34	0.78	0.78	0.78	
5543.00	4.31	232.83	5275.51	-967.18	-1063.83	1437.75	0.39	-0.22	4.31	
5574.00	4.31	231.83	5306.43	-968.61	-1065.67	1440.07	0.24	0.00	-3.23	
5606.00	4.50	230.83	5338.33	-970.14	-1067.59	1442.52	0.64	0.59	-3.12	
5638.00	4.38	229.95	5370.24	-971.72	-1069.50	1445.00	0.43	-0.37	-2.75	
5670.00	4.64	230.36	5402.14	-973.33	-1071.43	1447.51	0.82	0.81	1.28	
5702.00	4.63	228.33	5434.03	-975.02	-1073.39	1450.10	0.51	-0.03	-6.34	
5733.00	4.63	228.58	5464.93	-976.68	-1075.26	1452.60	0.07	0.00	0.81	
5765.00	4.44	228.45	5496.83	-978.35	-1077.16	1455.13	0.59	-0.59	-0.41	
5797.00	4.25	224.58	5528.74	-980.02	-1078.92	1457.55	1.09	-0.59	-12.09	

# Weatherford Drilling Services

## SURVEY REPORT



**Weatherford**

<b>Company:</b> Enduring Resources <b>Field:</b> Uintah Basin (NAD 83) <b>Site:</b> ROCK HOUSE 10-23-12-30 <b>Well:</b> ROCK HOUSE 10-23-12-30 <b>Wellpath:</b> 1	<b>Date:</b> 6/25/2008 <b>Time:</b> 08:28:43 <b>Page:</b> 5 <b>Co-ordinate(NE) Reference:</b> Well: ROCK HOUSE 10-23-12-30, True North <b>Vertical (TVD) Reference:</b> SITE 5562.9 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,227.48Azi) <b>Survey Calculation Method:</b> Minimum Curvature <b>Db:</b> Sybase
---	---

### Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
5828.00	4.31	224.08	5559.65	-981.67	-1080.53	1459.86	0.23	0.19	-1.61	
5860.00	4.31	221.70	5591.56	-983.44	-1082.17	1462.26	0.56	0.00	-7.44	
5892.00	4.44	221.70	5623.47	-985.26	-1083.79	1464.69	0.41	0.41	0.00	
5924.00	4.56	220.58	5655.37	-987.15	-1085.45	1467.18	0.46	0.37	-3.50	
5955.00	4.56	220.20	5686.27	-989.03	-1087.04	1469.63	0.10	0.00	-1.23	
5987.00	4.31	219.95	5718.18	-990.92	-1088.64	1472.08	0.78	-0.78	-0.78	
6019.00	4.44	222.08	5750.08	-992.76	-1090.24	1474.51	0.65	0.41	6.66	
6051.00	4.25	228.20	5781.99	-994.47	-1091.95	1476.93	1.56	-0.59	19.12	
6082.00	4.31	227.33	5812.90	-996.03	-1093.67	1479.24	0.29	0.19	-2.81	
6114.00	4.38	226.45	5844.81	-997.68	-1095.44	1481.66	0.30	0.22	-2.75	
6146.00	4.31	227.20	5876.72	-999.34	-1097.20	1484.09	0.28	-0.22	2.34	
6178.00	4.25	226.45	5908.63	-1000.98	-1098.94	1486.47	0.26	-0.19	-2.34	
6210.00	4.19	226.58	5940.54	-1002.60	-1100.65	1488.83	0.19	-0.19	0.41	
6241.00	4.38	223.95	5971.46	-1004.23	-1102.30	1491.14	0.88	0.61	-8.48	
6273.00	4.31	221.45	6003.37	-1006.01	-1103.94	1493.56	0.63	-0.22	-7.81	
6305.00	4.31	221.58	6035.27	-1007.81	-1105.54	1495.95	0.03	0.00	0.41	
6336.00	4.44	220.33	6066.18	-1009.59	-1107.08	1498.30	0.52	0.42	-4.03	
6368.00	4.44	221.83	6098.09	-1011.46	-1108.71	1500.76	0.36	0.00	4.69	
6400.00	4.31	219.83	6130.00	-1013.31	-1110.31	1503.19	0.63	-0.41	-6.25	
6432.00	4.00	216.08	6161.91	-1015.13	-1111.74	1505.47	1.29	-0.97	-11.72	
6463.00	3.81	212.83	6192.84	-1016.87	-1112.93	1507.53	0.94	-0.61	-10.48	
6495.00	3.69	213.95	6224.77	-1018.62	-1114.08	1509.56	0.44	-0.37	3.50	
6527.00	3.69	218.45	6256.70	-1020.28	-1115.30	1511.58	0.90	0.00	14.06	
6559.00	3.63	217.20	6288.64	-1021.89	-1116.55	1513.59	0.31	-0.19	-3.91	
6591.00	3.69	217.83	6320.57	-1023.51	-1117.80	1515.60	0.23	0.19	1.97	
6622.00	3.56	221.33	6351.51	-1025.03	-1119.04	1517.54	0.83	-0.42	11.29	
6654.00	3.25	220.95	6383.46	-1026.46	-1120.29	1519.43	0.97	-0.97	-1.19	
6686.00	3.06	224.45	6415.41	-1027.75	-1121.49	1521.18	0.85	-0.59	10.94	
6718.00	3.00	221.70	6447.36	-1028.99	-1122.64	1522.87	0.49	-0.19	-8.59	
6749.00	3.00	220.95	6478.32	-1030.20	-1123.71	1524.48	0.13	0.00	-2.42	
6781.00	2.75	220.70	6510.28	-1031.42	-1124.76	1526.08	0.78	-0.78	-0.78	
6813.00	2.56	218.33	6542.25	-1032.56	-1125.71	1527.55	0.69	-0.59	-7.41	
6845.00	2.63	215.45	6574.21	-1033.72	-1126.57	1528.97	0.46	0.22	-9.00	
6876.00	2.94	216.95	6605.18	-1034.93	-1127.46	1530.45	1.03	1.00	4.84	
6908.00	3.25	213.70	6637.13	-1036.35	-1128.46	1532.13	1.11	0.97	-10.16	
6940.00	3.50	214.70	6669.07	-1037.90	-1129.52	1533.97	0.80	0.78	3.12	
6972.00	3.63	218.58	6701.01	-1039.50	-1130.71	1535.92	0.86	0.41	12.12	
7004.00	3.50	225.08	6732.95	-1040.98	-1132.03	1537.90	1.33	-0.41	20.31	
7036.00	3.31	223.33	6764.89	-1042.34	-1133.36	1539.80	0.68	-0.59	-5.47	
7067.00	3.50	225.08	6795.84	-1043.66	-1134.64	1541.63	0.70	0.61	5.65	
7099.00	3.31	225.20	6827.78	-1045.00	-1135.99	1543.53	0.59	-0.59	0.37	
7131.00	3.38	224.45	6859.73	-1046.33	-1137.30	1545.40	0.26	0.22	-2.34	
7163.00	3.50	228.70	6891.67	-1047.64	-1138.70	1547.32	0.88	0.37	13.28	
7194.00	3.81	233.83	6922.61	-1048.88	-1140.24	1549.29	1.45	1.00	16.55	
7226.00	3.88	234.58	6954.53	-1050.13	-1141.98	1551.42	0.27	0.22	2.34	
7258.00	4.06	233.33	6986.46	-1051.44	-1143.77	1553.62	0.62	0.56	-3.91	
7290.00	4.06	232.20	7018.38	-1052.81	-1145.58	1555.87	0.25	0.00	-3.53	
7321.00	4.00	231.58	7049.30	-1054.15	-1147.29	1558.05	0.24	-0.19	-2.00	
7353.00	3.88	229.08	7081.23	-1055.55	-1148.98	1560.24	0.65	-0.37	-7.81	
7385.00	3.94	229.70	7113.15	-1056.97	-1150.64	1562.42	0.23	0.19	1.94	
7417.00	4.06	228.83	7145.07	-1058.43	-1152.33	1564.65	0.42	0.37	-2.72	
7448.00	4.13	223.70	7175.99	-1059.96	-1153.93	1566.86	1.20	0.23	-16.55	
7480.00	4.00	221.20	7207.91	-1061.63	-1155.46	1569.12	0.69	-0.41	-7.81	

# Weatherford Drilling Services

## SURVEY REPORT



**Weatherford**

<b>Company:</b> Enduring Resources <b>Field:</b> Uintah Basin (NAD 83) <b>Site:</b> ROCK HOUSE 10-23-12-30 <b>Well:</b> ROCK HOUSE 10-23-12-30 <b>Wellpath:</b> 1	<b>Date:</b> 6/25/2008 <b>Time:</b> 08:28:43 <b>Page:</b> 6 <b>Co-ordinate(NE) Reference:</b> Well: ROCK HOUSE 10-23-12-30, True North <b>Vertical (TVD) Reference:</b> SITE 5562.9 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,227.48Azi) <b>Survey Calculation Method:</b> Minimum Curvature <b>Db:</b> Sybase
---	---

### Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
7512.00	4.06	219.33	7239.83	-1063.35	-1156.91	1571.35	0.45	0.19	-5.84	
7544.00	3.69	222.08	7271.76	-1064.99	-1158.32	1573.50	1.29	-1.16	8.59	
7575.00	3.94	223.08	7302.69	-1066.51	-1159.72	1575.56	0.83	0.81	3.23	
7607.00	4.13	227.08	7334.61	-1068.10	-1161.31	1577.80	1.06	0.59	12.50	
7639.00	4.13	227.95	7366.53	-1069.65	-1163.01	1580.11	0.20	0.00	2.72	
7671.00	4.06	228.58	7398.45	-1071.17	-1164.72	1582.39	0.26	-0.22	1.97	
7702.00	4.50	227.08	7429.36	-1072.73	-1166.43	1584.71	1.46	1.42	-4.84	
7734.00	4.31	228.33	7461.27	-1074.38	-1168.25	1587.16	0.67	-0.59	3.91	
7766.00	3.75	233.70	7493.19	-1075.80	-1169.99	1589.41	2.11	-1.75	16.78	
7797.00	3.69	237.70	7524.12	-1076.93	-1171.65	1591.40	0.86	-0.19	12.90	
7829.00	3.69	236.08	7556.06	-1078.06	-1173.37	1593.43	0.33	0.00	-5.06	
7861.00	3.81	237.95	7587.99	-1079.20	-1175.13	1595.49	0.54	0.37	5.84	
7893.00	3.75	236.95	7619.92	-1080.33	-1176.91	1597.57	0.28	-0.19	-3.12	
7924.00	3.81	235.82	7650.85	-1081.46	-1178.61	1599.59	0.31	0.19	-3.65	
7956.00	3.56	232.82	7682.79	-1082.66	-1180.28	1601.63	0.99	-0.78	-9.37	
7988.00	3.69	230.45	7714.72	-1083.92	-1181.87	1603.65	0.62	0.41	-7.41	
8020.00	3.50	230.20	7746.66	-1085.20	-1183.41	1605.65	0.60	-0.59	-0.78	
8052.00	3.69	229.45	7778.60	-1086.49	-1184.94	1607.66	0.61	0.59	-2.34	LAST SVY

### Annotation

MD ft	TVD ft	
8052.00	7778.60	LAST SVY

**Enduring Resources, LLC**

475 17th St. - Suite 1500

Denver, CO 80202

(303) 573-1222

**Drilling Chronological**  
**Regulatory**

<b>Well Name: ROCK HOUSE 10-23-12-30</b>																	
Field Name:			Natural Buttes			S/T/R:			30/10S/23E			County, State:			UINTAH, UT		
Operator:			Enduring Resources, LLC			Location Desc:						District:			Northern		
Project AFE:			DV00261			AFEs Associated:									/ / /		
<b>Daily Summary</b>																	
Activity Date :			6/11/2008			Days From Spud :			0			Current Depth :			40 Ft		
24 Hr. Footage Made :															40 Ft		
Rig Company :						Rig Name:											
Formation :			Surface			Weather:											
<b>Operations</b>																	
Start	Hrs	Code	Remarks									Start Depth	End Depth	Run			
18:00	12.00	01	Rig Up Bronco Rig #23.									0	0	NIH			
Total:		12.00															
<b>Daily Summary</b>																	
Activity Date :			6/12/2008			Days From Spud :			1			Current Depth :			100 Ft		
24 Hr. Footage Made :															30 Ft		
Rig Company :			BRONCO			Rig Name:			BRONCO # 23								
Formation :			Surface			Weather:											
<b>Operations</b>																	
Start	Hrs	Code	Remarks									Start Depth	End Depth	Run			
6:00	12.00	01	R/U Bronco 23. Could not get rathole shuck down. Measured kelly. Cut off rathole shuck & set same.									70	70	NIH			
18:00	2.00	01	Mix spud mud. Put B.H.A. on racks. Measure & caliper same.									70	70	NIH			
20:00	2.50	21	W.O. welder. Weld broken 3" nipple in 14" conductor.									70	70	NIH			
22:30	1.00	20	Spud 12-1/4" hole @ 22:30 hours 06-11-2008. Drill F/ 70' to 77'. WOB 2-5K, RPM 40									70	77	1			
23:30	0.50	21	Straightened & reset mousehole.									77	77	1			
0:00	2.00	20	Drill F/ 77' to 100'. WOB 4-8K, RPM 40, MTR 53									77	100	1			
2:00	0.50	07	Rig Service									100	100	1			
2:30	3.50	08	Rig Repair. Swivel packing blew out.									100	100	1			
Total:		24.00															
<b>Mud Properties</b>																	
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand		
100	6:00	8.40	8.40	29	0	0	0/0/0	0.0	0.0	0	0.00	0.0%	0.0%	0.0%	0.0%		
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss			
0.0	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0	0	0.00		0			
Water Loss	LCM	ECD	FL Temp	UFT	Remarks												
0	0.0	0.0	65		GYPSUM WATER												



<b>Well Name: ROCK HOUSE 10-23-12-30</b>															
Field Name:		Natural Buttes		S/T/R:		30/10S/23E		County, State:		UINTAH, UT					
Operator:		Enduring Resources, LLC		Location Desc:				District:		Northern					

Daily Summary															
Activity Date :		6/13/2008		Days From Spud :		2		Current Depth :		791 Ft		24 Hr. Footage Made :		691 Ft	
Rig Company :		BRONCO				Rig Name:		BRONCO # 23							
Formation :		Surface				Weather:									

Operations																
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run	
6:00	0.50	07	Rig Service										100	100	1	
6:30	1.50	20	Drill Rotate / Slide F/ 100' to 144'. WOB 5-12K, RPM 45, MTR 65										100	144	1	
8:00	0.50	20	Orienting tool.										144	144	1	
8:30	21.50	20	Drill Rotate / Slide F/ 144' to 791'. WOB 8-15K, RPM 45, MTR 70										144	791	1	
Total:		24.00														

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
791	6:00	8.50	8.50	30	0	0	0/0/0	0.0	0.0	0	0.00	0.4%	99.6%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	10.00	0.00	0.00	0.00	400	800	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	8.6	70		GYPSUM WATER										

Daily Summary															
Activity Date :		6/14/2008		Days From Spud :		3		Current Depth :		1226 Ft		24 Hr. Footage Made :		435 Ft	
Rig Company :		BRONCO				Rig Name:		BRONCO # 23							
Formation :		Surface				Weather:									

Operations																
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run	
6:00	7.50	20	Drill Rotate / Slide F/ 791' to 961'. WOB 10-15K, RPM 40-50, MTR 70										791	961	1	
13:30	0.50	08	Grease swivel										961	961	1	
14:00	0.50	20	Drill Rotate F/ 961' to 975'.										961	975	1	
14:30	0.50	07	Rig Service										975	975	1	
15:00	15.00	20	Drill Rotate / Slide F/ 975' to 1,226'. WOB 10-20K, RPM 40-50, MTR 70										975	1226	1	
Total:		24.00														

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
1226	6:00	8.70	8.70	30	0	0	0/0/0	0.0	0.0	0	0.00	2.7%	97.3%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	10.00	0.00	0.00	0.00	500	800	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	8.6	70		GYPSUM WATER										

<b>Well Name: ROCK HOUSE 10-23-12-30</b>																	
Field Name:		Natural Buttes			S/T/R:		30/10S/23E			County, State:		UINTAH, UT					
Operator:		Enduring Resources, LLC			Location Desc:						District:		Northern				

Daily Summary																
Activity Date :		6/15/2008		Days From Spud :		4		Current Depth :		1776 Ft		24 Hr. Footage Made :		550 Ft		
Rig Company :		BRONCO					Rig Name:		BRONCO # 23							
Formation :		Surface					Weather:									

Operations																
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run	
6:00	9.50	20	Drill Rotate / Slide F/ 1,226' to 1,450'. WOB 10-20K, RPM 45-50, MTR 70										1226	1450	1	
15:30	1.50	21	Unplug Flowline.										1450	1450	1	
17:00	13.00	20	Drill Rotate / Slide F/ 1,450' to 1,776'. WOB 10-20K, RPM 45-50, MTR 70										1450	1776	1	
Total:		24.00														

Mud Properties																
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand	
1776	6:00	8.50	8.50	29	1	0	0/0/0	0.0	0.0	0	0.00	0.4%	99.6%	0.0%	0.0%	
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss		
0.0	10.50	0.00	0.00	0.00	600	760	0	0.00	0.00	0	0	0.00		0		
Water Loss		LCM	ECD	FL Temp	UFT	Remarks										
0		0.0	8.6	75		GYPSUM WATER, DEWATERING										

Daily Summary																
Activity Date :		6/16/2008		Days From Spud :		5		Current Depth :		2077 Ft		24 Hr. Footage Made :		301 Ft		
Rig Company :		BRONCO					Rig Name:		BRONCO # 23							
Formation :		Surface					Weather:									

Operations																
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run	
6:00	11.50	20	Drill Rotate / Slide F/ 1,776' to 2,020'. WOB 12-18K, RPM 50, MTR 74										1776	2020	1	
17:30	0.50	07	Rig Service										2020	2020	1	
18:00	1.50	20	Drill Rotate / Slide F/ 2,020' to 2,077'. WOB 10-20K, RPM 50, MTR 74										2020	2077	1	
19:30	1.00	05	Pump Sweep around, Circulate hole clean.										2077	2077	1	
20:30	1.50	06	Slug Pipe. Trip out to drill collars ( Strap Out, No Correction )										2077	2077	1	
22:00	1.00	06	Trip in hole to 2,077'										2077	2077	1	
23:00	1.50	05	Circulate & Condition @ 2,077'										2077	2077	1	
0:30	1.50	06	Trip out to drill collars. Break Kelly.										2077	2077	1	
2:00	2.50	06	L/D drill collars & 8" directional tools.										2077	2077	1	
4:30	1.50	21	R/U P/U machine & 9-5/8" casing tools.										2077	2077	1	
Total:		24.00														

Mud Properties																
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand	
2077	6:00	8.40	8.40	28	1	0	0/0/0	0.0	0.0	0	0.00	0.4%	99.6%	0.0%	0.0%	
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss		
0.0	9.10	0.00	0.00	0.00	500	480	0	0.00	0.00	0	0	0.00		0		
Water Loss		LCM	ECD	FL Temp	UFT	Remarks										
0		0.0	8.5	70		GYPSUM WATER, DEWATERING										

<b>Well Name: ROCK HOUSE 10-23-12-30</b>									
Field Name:	Natural Buttes	S/T/R:	30/10S/23E	County, State:	UINTAH, UT				
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern				

Daily Summary									
Activity Date :	6/17/2008	Days From Spud :	6	Current Depth :	2077 Ft	24 Hr. Footage Made :	0 Ft		
Rig Company :	BRONCO			Rig Name:	BRONCO # 23				
Formation :	Surface			Weather:					

Operations									
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run			
6:00	1.00	12	Make up float equipment & shoe jt. Test float equipment.	2077	2077	NIH			
7:00	0.50	21	Welder strapped float equipment.	2077	2077	NIH			
7:30	4.00	12	Ran 50 jts. 9-5/8" 36# ST&C casing. Tagged fill @ 2,047', wash to 2,077'. Total Csg. = 2,078.05'. Set @ 2,077'.	2077	2077	NIH			
11:30	1.00	05	Pumped 160 bbls. w/ 50% returns. R/D Casers.	2077	2077	NIH			
12:30	2.00	12	Safety meeting w/ Pro Petro. Pressure test to 1,500 psi. Pump 30 bbls. Water spacer. Mix & pump 200 sx. Premium Lead cement ( 136 bbls. ) w/ 16% Gel, 3% Salt, 1/4# Flocele, 10 #/sk. Gilsonite, 3#/sk. GR-3 ( @ 11.0 ppg, Yield 3.82 ). Mix & pump 275 sx. Premium Tail cement ( 41 bbls. ) w/ 2% CaCl2, 1/4 #/sk. Flocele ( @ 15.8 ppg, Yield 1.15 ). Drop plug. Displace w/ 157.4 bbls. Water. Land plug @ 1,000 psi. Floats holding. 30 bbls. Cement to surface. Cement fell to 150'. Top out w/ 75 sx. Premium cement w/ 2% CaCl2, 1/4# / sk. Flocele. Cement @ surface. R/D Pro Petro.	2077	2077	NIH			
14:30	4.50	21	N/D 14" riser. Cut off conductor & 9-5/8" casing. Weld on Wellhead Inc. 9-5/8" x 5K head. Test same.	2077	2077	NIH			
19:00	10.00	14	Change out drilling flange. Change out manual HCR valve w/ new hydraulic HCR valve. N/U B.O.P.'s., L/D kelly & M/U new kelly.	2077	2077	NIH			
5:00	1.00	15	Safety meeting w/ B & C Quick Test & R/U same.	2077	2077	NIH			
Total:	24.00								

Mud Properties																
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand	
2077	6:00	8.40	8.40	28	1	0	0/0/0	0.0	0.0	0	0.00	0.4%	99.6%	0.0%	0.0%	
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss		
0.0	9.10	0.00	0.00	0.00	500	480	0	0.00	0.00	0	0	0.00		0		
Water Loss	LCM	ECD	FL Temp	UFT	Remarks											
0	0.0	8.5	70		GYPSUM WATER, DEWATERING											

# Well Name: ROCK HOUSE 10-23-12-30

Field Name:	Natural Buttes	S/T/R:	30/10S/23E	County, State:	UINTAH, UT
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern

## Daily Summary

Activity Date :	6/18/2008	Days From Spud :	7	Current Depth :	2277 Ft	24 Hr. Footage Made :	200 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Surface			Weather:			

## Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	6.00	15	Test all valves to 250 psi Low / 5,000 psi High. Test Pipe Rams, Blind Rams, Choke, Manifold to 250 psi Low / 5,000 psi High. Test Annular to 250 psi Low / 2,000 psi High. Test 9-5/8" surface casing to 1,500 psi.	2077	2077	NIH
12:00	2.00	14	Install wear bushing. N/U rotating head & flowline.	2077	2077	NIH
14:00	2.50	21	Slip / Cut 133' of drilling line.	2077	2077	NIH
16:30	4.50	06	Measure / caliper directional tools. Make up tools. T.I.H. & Test MWD. P/U 6 jts. HWDP. Wash F/ 1,933' to 2,015'. Tag cement @ 2,015'	2077	2077	2
21:00	0.50	07	Rig Service	2077	2077	2
21:30	2.50	21	Drill cement / float equipment F/ 2,015' to 2,043'.	2077	2077	2
0:00	0.50	21	Un-Plug flowline.	2077	2077	2
0:30	0.50	21	Drill cement / float equipment F/ 2,043' to 2,077'.	2077	2077	2
1:00	0.50	02	Drill F/ 2,077' to 2,082'.	2077	2082	2
1:30	0.50	05	Circulate hole clean @ 2,082'.	2082	2082	2
2:00	0.50	21	Perform F.I.T. to 11.7 ppg EMW ( 8.4 ppg water + 342 psi )	2082	2082	2
2:30	3.50	20	Drill Rotate / Slide F/ 2,082' to 2,277'. WOB 6-8K, RPM 50-53, MTR 74	2082	2277	2
Total:	24.00					

## Mud Properties

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
2277	6:00	8.40	8.40	28	1	0	0/0/0	0.0	0.0	0	0.00	0.4%	99.6%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	9.10	0.00	0.00	0.00	600	640	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp	UFT		Remarks								
0		0.0	8.5	70			GYPSUM WATER, DEWATERING								

## Daily Summary

Activity Date :	6/19/2008	Days From Spud :	8	Current Depth :	3505 Ft	24 Hr. Footage Made :	1228 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Green River			Weather:			

## Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	8.00	02	DRILL & SLIDE F/ 2277 T/ 2710	2277	2710	2
14:00	0.50	07	SERVICE RIG	2710	2710	2
14:30	3.50	02	DRILL & SLIDE F/ 2710 T/ 2900	2710	2900	2
18:00	12.00	02	DRILL & SLIDE F/ 2900 T/ 3505	2900	3505	2
Total:	24.00					

## Mud Properties

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
	6:00	8.40	8.40	26	1	0	0/0/0	0.0	0.0	0	0.00	0.4%	99.6%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	10.50	0.00	0.00	0.00	400	800	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp	UFT		Remarks								
0		0.0	8.5	70			GYPSUM WATER								

<b>Well Name: ROCK HOUSE 10-23-12-30</b>																		
Field Name:		Natural Buttes			S/T/R:		30/10S/23E			County, State:		UINTAH, UT						
Operator:		Enduring Resources, LLC			Location Desc:						District:		Northern					

Daily Summary																	
Activity Date :		6/20/2008		Days From Spud :		9		Current Depth :		4423 Ft		24 Hr. Footage Made :		918 Ft			
Rig Company :		BRONCO						Rig Name:		BRONCO # 23							
Formation :		Wasatch						Weather:									

Operations																	
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run		
6:00	4.00	02	DRILL & SLIDE F/ 3505 T/ 3726										3505	3726	2		
10:00	0.50	07	RIG SERVICE										3726	3726	2		
10:30	1.50	08	RIG REPAIR/ CHANGE SWIVEL PACKING										3726	3726	2		
12:00	6.00	02	DRILL & SLIDE F/ 3726 T/ 3980										3726	3980	2		
18:00	12.00	02	DRILL & SLIDE F/ 3980 T/ 4423										3980	4423	2		
Total:		24.00															

Mud Properties																	
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand		
3729	10:30	8.50	8.50	28	1	0	0/0/0	0.0	0.0	0	0.00	0.4%	99.6%	0.0%	0.0%		
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss			
0.0	10.40	0.00	0.00	0.00	500	560	0	0.00	0.00	0	0	0.00		0			
Water Loss	LCM	ECD	FL Temp	UFT	Remarks												
0	0.0	8.6	75		GYPSUM WATER												

Daily Summary																	
Activity Date :		6/21/2008		Days From Spud :		10		Current Depth :		5344 Ft		24 Hr. Footage Made :		921 Ft			
Rig Company :		BRONCO						Rig Name:		BRONCO # 23							
Formation :		Wasatch						Weather:									

Operations																	
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run		
6:00	5.00	02	DRILL & SLIDE F/ 4423 T/ 4645										4423	4645	2		
11:00	0.50	05	PUMP SWEEP / CIRCULATE CLEAN										4645	4645	2		
11:30	1.00	06	SHORT TRIP 10 STDS										4645	4645	2		
12:30	0.50	07	SERVICE RIG										4645	4645	2		
13:00	1.50	06	SHORT TRIP IN HOLE, NO FILL										4645	4645	2		
14:30	3.50	02	DRILL & SLIDE F/ 4645 T/ 4772										4645	4772	2		
18:00	12.00	02	DRILL & SLIDE F/ 4772 T/ 5344										4772	5344	2		
Total:		24.00															

Mud Properties																	
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand		
4545	9:20	8.90	8.90	35	5	10	3/13/20	18.0	0.0	0	0.00	4.2%	95.8%	0.0%	1.0%		
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss			
18.5	9.00	0.25	0.22	0.35	600	400	0	0.00	0.00	0	0	0.00		0			
Water Loss	LCM	ECD	FL Temp	UFT	Remarks												
0	0.0	8.6	85		MUD UP / 20 GAL QUICK SLIDE												

<b>Well Name: ROCK HOUSE 10-23-12-30</b>																		
Field Name:		Natural Buttes			S/T/R:		30/10S/23E			County, State:		UINTAH, UT						
Operator:		Enduring Resources, LLC			Location Desc:						District:		Northern					

Daily Summary																	
Activity Date :		6/22/2008		Days From Spud :		11		Current Depth :		6137 Ft		24 Hr. Footage Made :		793 Ft			
Rig Company :		BRONCO						Rig Name:		BRONCO # 23							
Formation :		Wasatch						Weather:									

Operations																	
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run		
6:00	4.50	02	DRILL & SLIDE F/ 5344 T/ 5502										5344	5502	2		
10:30	0.50	07	SERVICE RIG										5502	5502	2		
11:00	7.00	02	DRILL & SLIDE F/ 5502 T/ 5770										5502	5770	2		
18:00	12.00	02	DRILL & SLIDE F/ 5770 T/ 6137										5770	6137	2		
Total:		24.00															

Mud Properties																	
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand		
5455	9:35	8.90	8.90	43	10	5	13/23/32	18.0	0.0	0	0.00	12.0%	88.0%	0.0%	1.0%		
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss			
17.5	9.30	0.27	0.25	0.37	400	400	0	0.00	0.00	0	0	0.00		0			
Water Loss	LCM	ECD	FL Temp	UFT	Remarks												
0	0.0	8.6	90														

Daily Summary																	
Activity Date :		6/23/2008		Days From Spud :		12		Current Depth :		6963 Ft		24 Hr. Footage Made :		826 Ft			
Rig Company :		BRONCO						Rig Name:		BRONCO # 23							
Formation :		Mesaverde						Weather:									

Operations																	
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run		
6:00	9.50	02	DRILL & SLIDE F/ 6137 T/ 6518										6137	6518	2		
15:30	0.50	07	SERVICE RIG										6518	6518	2		
16:00	2.00	02	DRILL & SLIDE F/ 6518 T/ 6582										6518	6582	2		
18:00	12.00	02	DRILL F/ 6582 T/ 6963										6582	6963	2		
Total:		24.00															

Mud Properties																	
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand		
6315	10:00	9.00	9.00	38	8	12	8/25/28	17.0	0.0	0	0.00	4.9%	95.1%	0.0%	1.5%		
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss			
20.0	9.10	0.25	0.22	0.36	500	420	0	0.00	0.00	0	0	0.00		0			
Water Loss	LCM	ECD	FL Temp	UFT	Remarks												
0	0.0	8.6	110														

<b>Well Name: ROCK HOUSE 10-23-12-30</b>																		
Field Name:		Natural Buttes			S/T/R:		30/10S/23E			County, State:		UINTAH, UT						
Operator:		Enduring Resources, LLC			Location Desc:						District:		Northern					

Daily Summary																	
Activity Date :		6/24/2008		Days From Spud :		13		Current Depth :		7662 Ft		24 Hr. Footage Made :		699 Ft			
Rig Company :		BRONCO						Rig Name:		BRONCO # 23							
Formation :		Mesaverde						Weather:									

Operations																	
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run		
6:00	8.50	02	DRILL & SLIDE F/ 6963 T/ 7249										6963	7249	2		
14:30	0.50	07	SERVICE RIG										7249	7249	2		
15:00	3.00	02	DRILL & SLIDE F/ 7249 T/ 7244										7249	7344	2		
18:00	12.00	02	DRILL & SLIDE F/ 7244 T/ 7662										7344	7662	2		
Total:		24.00															

Mud Properties																	
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand		
7060	9:20	9.35	9.35	49	12	22	12/33/38	14.0	0.0	0	0.00	7.6%	92.4%	0.0%	1.0%		
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss			
1750.0	9.70	0.37	0.30	0.33	600	560	0	0.00	0.00	0	0	0.00		0			
Water Loss	LCM	ECD	FL Temp	UFT	Remarks												
0	0.0	8.6	115														

Daily Summary																	
Activity Date :		6/25/2008		Days From Spud :		14		Current Depth :		8202 Ft		24 Hr. Footage Made :		540 Ft			
Rig Company :		BRONCO						Rig Name:		BRONCO # 23							
Formation :		Mesaverde						Weather:									

Operations																	
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run		
6:00	9.00	02	DRILL & SLIDE F/ 7662 T/ 7852										7662	7852	2		
15:00	0.50	07	SERVICE RIG										7852	7852	2		
15:30	2.50	02	DRILL & SLIDE F/ 7852 T/ 7900										7852	7900	2		
18:00	12.00	02	DRILL & SLIDE F/ 7900 T/ 8202										7900	8202	2		
Total:		24.00															

Mud Properties																	
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand		
7758	10:10	9.50	9.50	48	12	27	15/38/42	12.0	0.0	0	0.00	8.0%	92.0%	0.0%	1.0%		
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss			
20.0	9.60	0.32	0.28	0.35	600	560	0	0.00	0.00	0	0	0.00		0			
Water Loss	LCM	ECD	FL Temp	UFT	Remarks												
0	0.0	10.2	120														

<b>Well Name:ROCK HOUSE 10-23-12-30</b>																
Field Name:		Natural Buttes			S/T/R:		30/10S/23E			County,State:		UINTAH, UT				
Operator:		Enduring Resources, LLC			Location Desc:						District:		Northern			
<b>Daily Summary</b>																
Activity Date :		6/26/2008		Days From Spud :		15		Current Depth :		8395 Ft		24 Hr. Footage Made :		193 Ft		
Rig Company :		BRONCO					Rig Name:		BRONCO # 23							
Formation :		Mesaverde					Weather:									
<b>Operations</b>																
Start	Hrs	Code	Remarks									Start Depth	End Depth	Run		
6:00	4.00	02	DRILL F/ 8202 T/ 8334									8202	8334	2		
10:00	1.00	05	CIRCULATE AND CONDITION HOLE/ PUMP SWEEP									8334	8334	2		
11:00	2.00	02	DRILL F/ 8334 T/ 8395									8334	8395	2		
13:00	2.00	05	CIRCULATE AND CONDITION HOLE/ PUMP SWEEP BRING MUD WEIGHT UP TO 10.8									8395	8395	2		
15:00	0.50	06	SHORT TRIP									8395	8395	2		
15:30	0.50	07	SERVICE RIG									8395	8395	2		
16:00	2.00	06	SHORT TRIP 67 STDS TO SHOE									8395	8395	2		
18:00	3.00	06	TIH TO BOTTOM NO FILL									8395	8395	2		
21:00	2.50	05	CIRCULATE BOTTOMS UP, CIRCULATE GAS OUT OF MUD, 10' FLARE									8395	8395	2		
23:30	5.50	06	TOOH FOR LOGS									8395	8395	2		
5:00	0.50	06	L/D DIR TOOLS									8395	8395	2		
5:30	0.50	11	MIRU HES									8395	8395	2		
Total:		24.00														
<b>Mud Properties</b>																
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand	
8395	13:00	10.85	10.85	45	18	15	6/18/27	12.0	0.0	0	0.00	14.0%	86.0%	0.0%	1.0%	
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss		
22.5	9.00	0.15	0.10	0.35	600	760	0	0.00	0.00	0	0	0.00		0		
Water Loss	LCM	ECD	FL Temp	UFT	Remarks											
0	0.0	11.2	108													



<b>Well Name: ROCK HOUSE 10-23-12-30</b>																	
Field Name:		Natural Buttes			S/T/R:		30/10S/23E			County, State:		UINTAH, UT					
Operator:		Enduring Resources, LLC			Location Desc:						District:		Northern				
<b>Daily Summary</b>																	
Activity Date :		6/27/2008			Days From Spud :		16		Current Depth :		8395 Ft		24 Hr. Footage Made :		0 Ft		
Rig Company :		BRONCO					Rig Name:		BRONCO # 23								
Formation :		Mesaverde					Weather:										
<b>Operations</b>																	
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run		
6:00	1.00	11	R/U HES HELD SAFETY MEETING										8395	8395	2		
7:00	3.50	11	RUN OPEN HOLE LOG/ TRIPLE COMBO, T.D. 8386 WLM.										8395	8395	3		
10:30	0.50	11	RDMO HES										8395	8395	3		
11:00	2.50	06	TIH TO 4000'										8395	8395	3		
13:30	1.00	05	KELLY UP AND CIRCULATE BOTTOMS UP										8395	8395	3		
14:30	1.00	06	TIH										8395	8395	3		
15:30	0.50	07	SERVICE RIG										8395	8395	3		
16:00	0.50	06	TIH TO 8395' D.P. TALLY NO FILL.										8395	8395	3		
16:30	1.50	05	CIRCULATE BOTTOMS UP										8395	8395	3		
18:00	2.50	05	CONDITION HOLE, PUMP SWEEP/ HELD SAFETY MEETING AND R/U LAYDOWN MACHINE										8395	8395	3		
20:30	5.50	06	L/D DRILL PIPE										8395	8395	3		
2:00	1.50	21	BREAK KELLY										8395	8395	3		
3:30	2.50	06	L/D HWDP										8395	8395	3		
Total:		24.00															
<b>Mud Properties</b>																	
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand		
8395	8:30	10.85	10.85	46	18	16	6/19/28	11.1	0.0	0	0.00	15.0%	85.0%	0.0%	1.0%		
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss			
22.5	9.70	0.10	0.05	0.35	600	720	0	0.00	0.00	0	0	0.00		0			
Water Loss		LCM	ECD	FL Temp	UFT	Remarks											
0		0.0	11.2	92													

# Well Name: ROCK HOUSE 10-23-12-30

Field Name:	Natural Buttes	S/T/R:	30/10S/23E	County, State:	UINTAH, UT
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern

## Daily Summary

Activity Date :	6/28/2008	Days From Spud :	17	Current Depth :	8395 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Mesaverde			Weather:			

## Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	1.50	12	RIG UP CSG CREW & HELD SAFETY MEETING	8395	8395	3
7:30	6.50	12	RIH W/ 213 JTS N-80 CASING TO 8294'	8395	8395	3
14:00	1.50	01	CIRCULATE GAS OUT- 15' FLARE	8395	8395	3
15:30	1.00	12	TRY TO LAND HANGER, HANGING UP IN STACK. L/D CSG HANGER AND LANDING JT. RUN FULL JT, WILL SET SLIPS	8395	8395	3
16:30	0.50	12	R/D CASING CREW AND LAYDOWN	8395	8395	3
17:00	1.00	12	R/U CEMENTERS HELD SAFETY MEETING.	8395	8395	3
18:00	3.50	12	TEST LINES 3000 PSI, PUMP 30 BBL FLUSH, 185 SKS LEAD ( 125.8 BBL ) 1185 SKS TAIL ( 265.9 BBL ) DROP PLUG DISPLACE W/ 129.5 BBL FRESH WATER W/ CLAY FIX, BUMP PLUG, FLOATS HOLDING. RDMO CEMENTERS	8395	8395	3
21:30	1.00	12	PULL ROATING RUBBER, DROP SLIPS, LAND CASING. F.S @ 8394' & F.C. @ 8353'	8395	8395	3
22:30	2.50	14	PICK UP STACK, CUT CASING, N.D. BOP.	8395	8395	3
1:00	5.00	01	RELEASE RIG @ 01:00, RIG DOWN	8395	8395	3
Total:	24.00					

## Mud Properties

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
8395	8:30	10.85	10.85	46	18	16	6/19/28	11.1	0.0	0	0.00	15.0%	85.0%	0.0%	1.0%
MBT	pH	Pm	Pf	Mf	CI	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
22.5	9.70	0.10	0.05	0.35	600	720	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp	UFT	Remarks									
0		0.0	11.2	92											

## Daily Summary

Activity Date :	6/29/2008	Days From Spud :	18	Current Depth :	8395 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Mesaverde			Weather:			

## Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	12.00	01	RIG DOWN FRONT YARD, TAKE DOWN WINDWALLS, TAKE V-DOOR AND FRONT STEPS DOWN, RIG DOWN ZECO ,LOAD OUT DRILL PIPE AND INSPECT BHA.& RIG DOWN GAS BUSTER.	8395	8395	3
18:00	12.00	21	WAIT ON DAYLIGHT	8395	8395	3
Total:	24.00					

## Mud Properties

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
8395	8:30	10.85	10.85	46	18	16	6/19/28	11.1	0.0	0	0.00	15.0%	85.0%	0.0%	1.0%
MBT	pH	Pm	Pf	Mf	CI	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
22.5	9.70	0.10	0.05	0.35	600	720	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp	UFT		Remarks								
0		0.0	11.2	92											

Well Name:ROCK HOUSE 10-23-12-30					
Field Name:	Natural Buttes	S/T/R:	30/10S/23E	County,State:	UINTAH, UT
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern

Formation					
Formation Name	Current Well Top	Subsea Datum	Ref Well Top	Elec Top	Comments

Casing									
DateIn	Setting Depth	Jts Run	Type	Size	Weight	Grade	MINID	HoleDiam	TD
6/16/2008	2077	50	3. Surface	9.625	36	K-55		12.25	2077

Stage: 1, Lead, 0, 200, PREMIUM, Other, 3.82, 11

Stage: 1, Tail, 0, 275, PREMIUM, Other, 1.15, 15.8

Stage: 1, Top Out, 0, 75, PREMIUM, Other, 1.15, 15.8

6/24/2008	8394.52	213	5. Production	4.5	11.6	N-80	0	7.875	8395
-----------	---------	-----	---------------	-----	------	------	---	-------	------

Stage: 1, Spacer, 30. 0, , , 0, 0

Stage: 1, Lead, 0, 185, HIFILL, TYPE 5, 3.82, 11

Stage: 1, Tail, 0, 1185, 50/50 POZ, Class G, 1.26, 14.2

Stage: 1, Displacement, 129.5, 0, H2O W/ CLAY FIX, , 0, 0

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76281
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: n/a
4. LOCATION OF WELL FOOTAGES AT SURFACE: 874' FNL - 1,859' FWL		8. WELL NAME and NUMBER: Rock House 10-23-12-30
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 30 10S 23E S		9. API NUMBER: 4304736547
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Wildcat
STATE: UTAH		

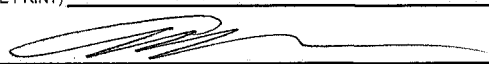
## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 10/3/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Commingling</u>	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	Confirmation.	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

First gas sales 8-25-2008.

Well was commingled during initial completion.

NAME (PLEASE PRINT) <u>Alvin R. (Al) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE 	DATE <u>10/3/2008</u>

(This space for State use only)

**RECEIVED****OCT 06 2008****DIV. OF OIL, GAS & MINING**